About This Guide

VP-2009(P) Elite is an H.264 based broadband videophone supporting Video and Voice applications. Its major functions include IP Telephony, IP Camera Viewer (SIP based) and Photo frame. It can satisfy the demanding requirements of the next generation of IP broadband communication applications and open the door to the world of multimedia.

VP-2009(P) Elite is an innovative IP media phone equipped with the most advanced video compression technology. It offers unrivalled super voice and picture quality, innovative functional richness, friendly user interface, stylish and elegant design, enhancing the instant, face-to-face communication experience even at low bandwidth.

Meanwhile it supports Voice Mail, Screen Saver, Advertisement, etc. Which make it not only a video phone but also a media phone for entertainment. It is definitely ideal for multimedia communication, virtual office and all IP video conversation for business or family users.

In this User Guide, you will find everything you need to quickly use your IP Video Phone. Be sure to verify with your system administrator that your network is prepared for configuring your IP phone. As well, be sure to read the Packing List section in this guide before you set up and use the phone.

Declaration of Conformity

Hereby, it's declared that this phone is in conformity with the essential requirements and other relevant provisions of the CE, FCC.

CE Mark Warning

This is a class A device, in a domestic environment; this product may cause radio interference, in which case the user may be required to take adequate measures.

1 Safety Precautions

General Requirements

- Before you install and use the device, read these safety precautions carefully and observe them during operation.
- During storage, transportation, and operation, keep the device dry.
- During storage, transportation, and operation, avoid collision and crash for the device.
- Never attempt to dismantle the device by yourself. In case of any fault, contact the appointed maintenance center for repair.
- Without prior written consent, no organization or individual is permitted to make any change to the structure or safety design of the device. Huawei Technologies Co., Ltd. is not liable to any consequences or legal issues due to such changes.
- While using the device, observe all applicable laws, directives and regulations, and respect the legal rights of other people.

Environmental Requirements

- Place the device at a well-ventilated place. Do not dispose the device to direct sunlight.
- Keep the device clean and free of dusts.
- Place the device on a stable platform.
- Do not place any object on top of the device. Otherwise, the device may be too hot during operation. It can even be deformed or damaged by the heavy load.
- Keep at least 10 cm between the device and the closest object for heat dissipation.
- Do not place the device on or near any object that can easily catch fire, such as something made of rubber.
- Keep the device far away from any heat source or bare fire, such as a candle or an electric heater.
- Keep the device far away from any household appliance with strong magnetic field or electromagnetic field, such as a microwave oven or a refrigerator.

Operating Requirements

- Do not let a child operate the device without guidance.
- Do not let a child play with the device or any accessory. Swallowing the accessories may lead to peril.
- Use the accessories provided or authorized by the manufacturer only.
- The power supply of the device shall meet the requirements of the input voltage of the device. Use the provided surge protection power socket only.
- Before plugging or unplugging any cable, shut down the device and disconnect it from the power supply.
- While plugging or unplugging any cable, make sure that your hands are completely dry.
- Do not tread on, pull, or over-bend any cable. Otherwise, the cable may be damaged, leading to malfunction of the device.
- Do not use an old or a damaged power cable.

- During lightning whether, stop using the device and disconnect it from the power supply. Unplug the power plug and the Asymmetric Digital Subscriber Line (ADSL) twisted pair (the radio frequency cable) to avoid lightning strike.
- If the device is not used for a long time, disconnect it from the power supply and unplug the power plug.
- Do not look directly into the optical interface and the laser-transmitting interface on the device, or the infrared transmitting interface on the remote control with your eyes. Otherwise, your eyes may be injured.
- In any of the following cases, stop using the device, disconnect it from the power supply, and unplug the power plug immediately: there is smoke emitted from the device, or there is some abnormal noise or smell. Contact the specified maintenance center for repair.
- Avoid any object (such as metal shavings) from entering the device from the heat dissipation intakes.
- Before connecting any other cable, connect the ground cable of the device first. Do not disconnect the grounding cable until you disconnect all other cables.
- Make sure that the three-phase power socket is grounded reliably. The neutral line and the live line shall not be connected inversely.
- Do not scratch or abrade the shell of the device. This may lead to malfunctions of the device. The shed painting material may also lead to skin allergy.

Cleaning Requirements

- Before cleaning the device, stop using it and disconnect it from the power supply.
- Use a piece of soft dry cloth to clean the device.
- Keep the power plug clean and dry. Using a dirty or wet power plug may lead to electric shock or other perils.

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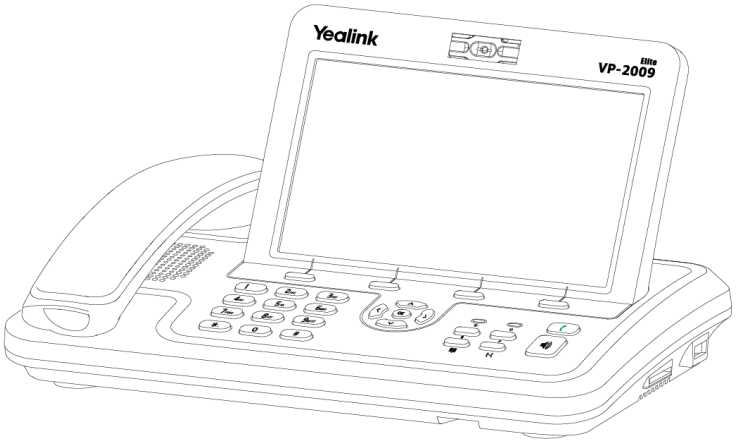
2 Getting Started

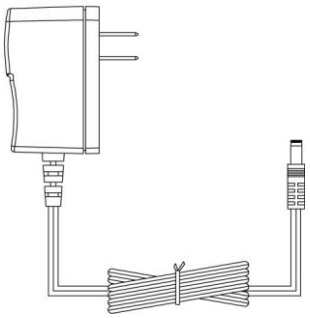
Packing List

The following components are included in your package:

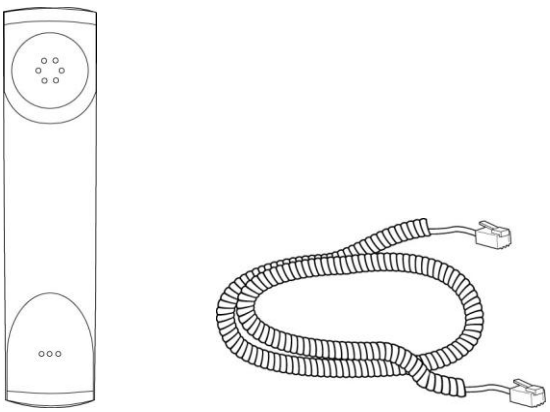
- IP Video Phone VP-2009(P) Elite



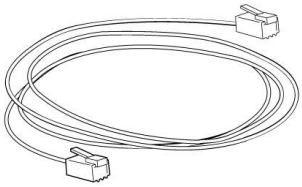
- Power Adapter



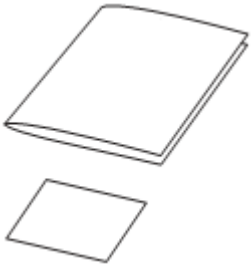
- Handset & Handset Cable



- Ethernet Cable



- Quick Installation Guide & Quick Reference



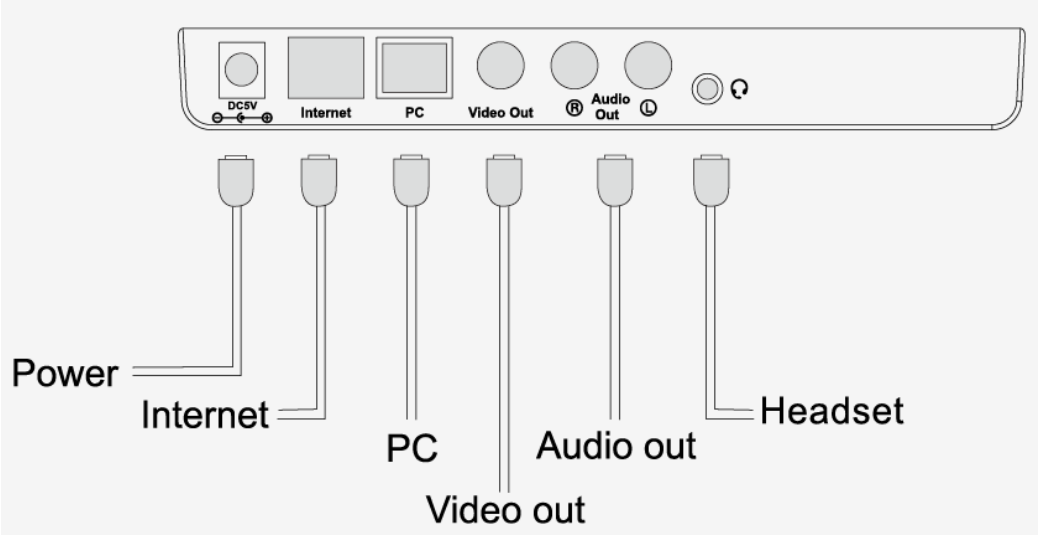
- CD Content

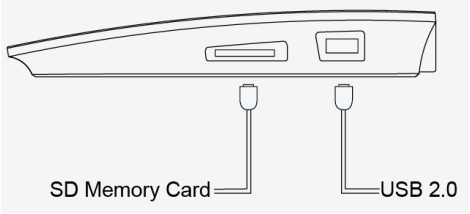
Please unpack the product package with caution; inspect the items closely. If you find any damaged item, please contact your IP Video phone reseller immediately. Also, please keep the box and packing material for future use in the event of future shipments.

Assembling the Phone

This section introduces how to assemble the phone.

- **Connect the IP video phone shown as below:**

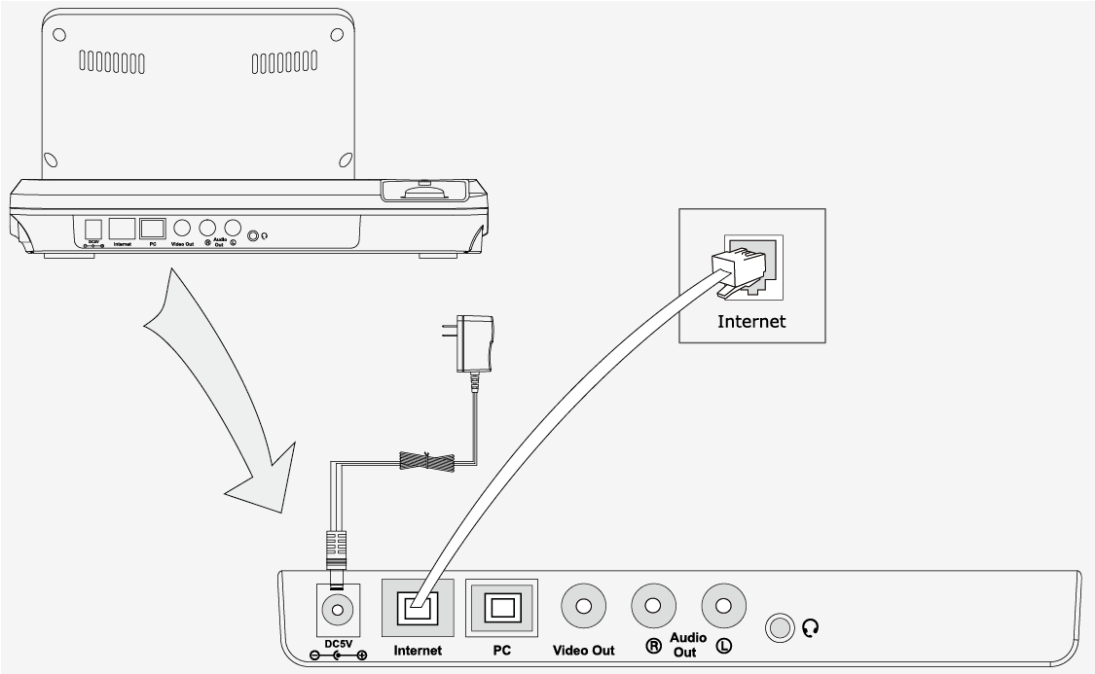




Headset is not included in the packing list. Should be purchased separately.

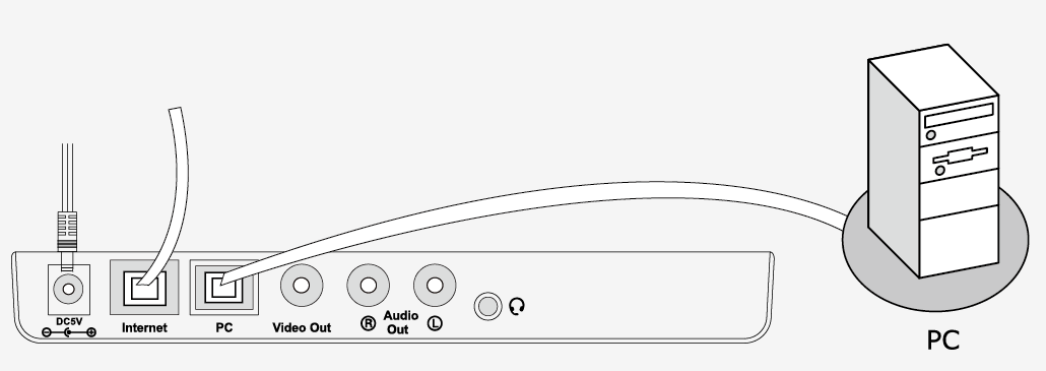
- **Connect Network and Power**

There are two ways for network and power source connections. You can connect the phone to the AC Power directly using the power adapter or to a PoE compliant switch or hub. Your system administrator will advise you on which one to use.



- If inline power is provided, do not install AC adapter. Make sure the Ethernet cable and switch/hub is PoE compliant.
- The Internet Port can be also connected to Hub/Switch/IP PBX or other internet devices.
- Please contact your administrator for more information.

The phone can also share the network connection with other network devices such as PC. Connect the phone's PC port and computer's Network Port together using an Ethernet cable, shown as below:



Configuration and Registration

Configuring via Web Page

Press <OK> button on the keypad of the phone to enter the status page and find out the IP address of the IP video phone. Enter it (for example http://10.1.3.204) into the address bar of web browser. The default login name and password are **admin/admin**.

Please locate your PC in the same network segment of IP phone (10.1.3.X) to access the web configuration page. Please consult your system administrator for help.

Account Settings： Choose **Account**.

Network Settings： Choose **Network->Internet Port (WAN)**.

For more information, please refer to "Account Tab Page" and "Network Tab page".

Configuring via keypad

Network Settings: Click **Setting->WAN** Option, enter the password to enter the relating configuration page.

Account Settings: Click **Setting->Account** Option, enter the password to configure the account.

For more information, please refer to "Account" and "Network".

When you have finished the Network and Account Setting configuration, the Register Status Icons will be shown in the idle screen:

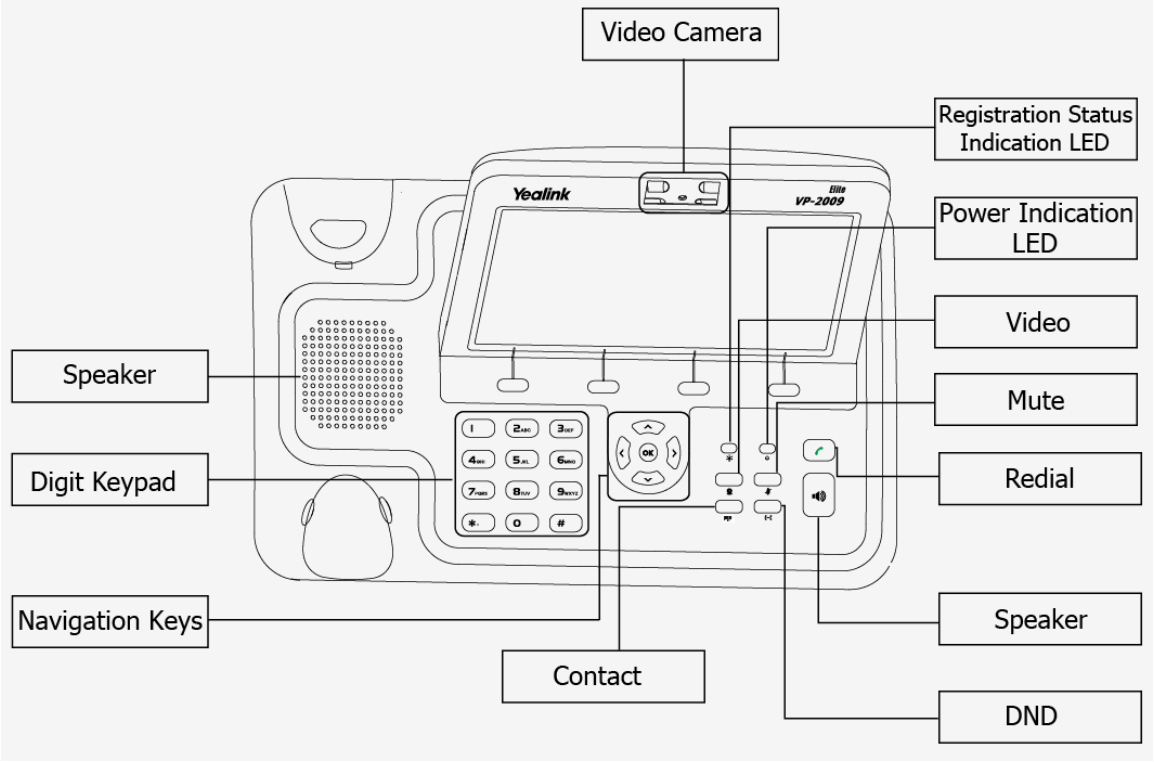
Register successfully

Register failed

3 Overview

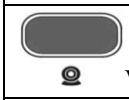
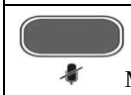
Keypad Instruction

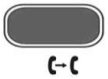
Figure 3-1 Keypad instruction



You can check the following list which introduces the IP phone's keypad in detail:

Table 3-1 Key on the keypad

Key	Description
Event Status Indication LED	It will show the event status of the video phone. For more details you can refer to "LED Instruction".
Power Indication LED	Indicates the power supply status. • When VP-2009(P) Elite is powered on, the indicator is on. • When VP-2009(P) Elite is powered off, the indicator is off.
 Video	On the video conversation, open or close the local video.
 Mute	Mutes or resumes a call.
Redial	In the standby state, press this key to access the page where numbers that you have dialed are listed. Select a record and press this key again to initiate a call.

Key	Description
Speaker	Answers an incoming call. On the dialing page or conversation page, press this key to change the conversation mode.
 DND	Enable or disable DND function.
Contact	Enter the contact page.
Navigation Key	Includes four arrow keys (up, down, left, and right), and one <OK> key. Arrow keys： Move the cursor on difference pages. In the standby state: press left or right key to switch the standby state. During the conversation: press left or right key to Increase or decrease the volume. In the incoming call status: press left or right key to Increase or decrease the ring volume. <OK> key： Select Screen：Press this key to confirm the operation. Standby Screen：Press this key to enter the Status page. On the conversation: Press this key to holds or resume a call.
Digital Key	Enters alphanumeric and special characters. To enter digits, lowercase letters, uppercase letters, and special characters, switch the entering mode.
Soft Key	Functions of the four soft keys are marked on the screen.

LED Instruction

Table 3-2 Event Indication LED

LED Status	Description
Blinking green	Power is on but there are some problems: registration failure, the network is unavailable or there is a missed call or message to the extension or hold/ mute the call or firmware Update. The detail will be displayed on the display (LCD or external display).
Off	There is no any abnormal status

Table 3-3 Power Indication LED

LED Status	Description
Steady green	Power on
Off	Power off

Icon Instruction

The IP Phone displays different kinds of icons on its LCD, you can refer to the following table for their meanings:

Table 3-4 ICON instruction

Icon	Description
	Network Status: Available
	Network Status: Unavailable
	Network Status: Limited
	Flashes when the internet is disconnected.
	Account register successful or the DSS key set as line, and the line is registered.
	Account register failed or the DSS key set as line, and the line is unregistered.
	Missed calls
	Call in
	Call out
	In handset mode
	In speaker mode
	In headset mode
	USB flash device detected
	SD memory card detected
	SD memory card is write-protect
	Call mute
	Call hold
	Voicemail
	Always forward
	Busy forward
	No answer forward
	DND(Do not Disturb)
	Auto Answer
	DSS key set as Speed Dial
	Click this icon to quick access the DSS Key interface
	The listened-on account is in the ringing state.
	The listened-on account is in the talking state or in the dial status.
	The BLF function is disabled.
	The BLF function is enabled.

User and Administrator Mode

Your phone can be used in user or administrator mode. Administrator mode is the default setting with full configuration rights. The default administrator password is **admin.** The default user password is **user.**

4 Customizing Your Phone

Powering Up the Video phone

Step 1 Plug a Network cable into the network port.

Step 2 Plug in power.

Step 3 It takes about 2 minutes to boot up the video phone. During this period, please do not touch any keys or turn off the video phone.

The Idle Interface

The phone has 4 idle interfaces (Standby state, Main menu, Picture Dial and DSS Key). In the idle interface, user can press left/right key to switch the idle interface, also can slide the fingers on the screen to switch the idle interface.

Standby state

Figure 4-1 Standby state

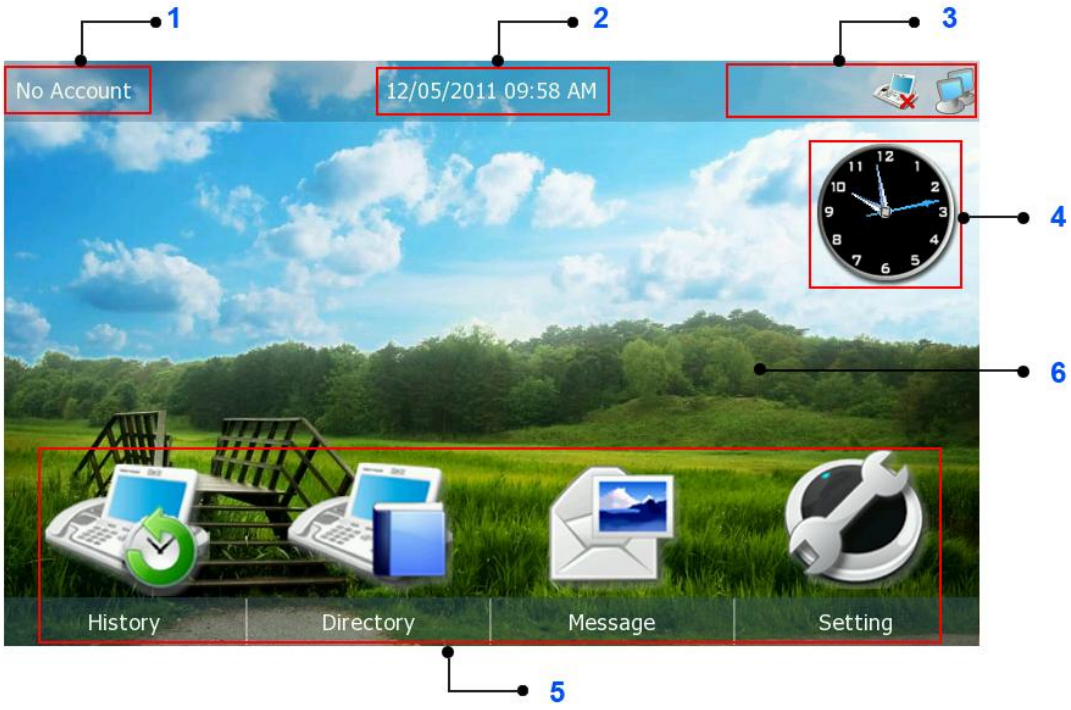


Table 4-1 Area instruction

Area	Description
1	This area is showing the default account. User can click the account to choose the default account.
2	This area is showing the phone's time.
3	This area is showing the phone feature status. For more information you can refer to "Icon Instruction".

Area	Description
4	Use the clock to display the current time， user can use fingers drag this clock, placed it at any position of this interface.
5	Display the Quick function keys. The default is “History”, “Directory”, “Message” and “Setting”.
6	This area is showing the background picture. User also can change it. For more information you can refer to “Display”.

Main menu

Enter the main menu interface, there are some submenus, user can choose corresponding submenu to enter into the configuration interface.

Figure 4-2 Main menu

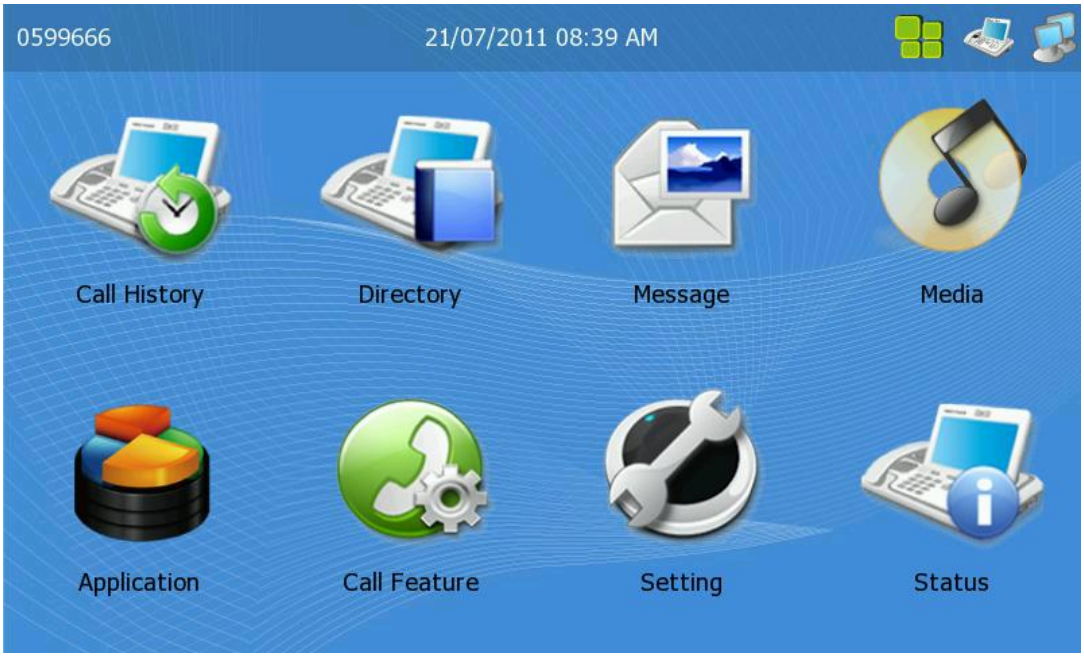


Table 4-2 Main menu instruction

Menu	Interface	Second level submenu
Call History		----
Directory		----

Menu	Interface	Second level submenu
Message		----
Media	Photo	• Play • Manager
	Video	• Play • Manager
	Contact Picture	----
Application	IP Camera	• IPCamera01 • IPCamera02
	Door Phone	• DP 1 • DP 2
Call Feature	DSS Key	----
	Picture Dial	----
	Voice Mail	----
	Hotline	----
	Forward	----
	Call Waiting	----
	Auto Answer	----
	Video	----
	Tv Output	----
	Key as Send	----
	Anonymous Call	----
Setting	Account	----
	Network	----
	Call Feature	
	Display	----
	Date & Time	----
	Sound	----
	Security	----
	Personalize	----
	Reset	----
	Reboot	----
	Calibration	----
Status		----

Picture Dial

This function key allows you to set the most frequently dialed numbers easily. The phone supports six contacts and allows user to choose the contacts picture.

Switch the idle interface to Picture dial page, and then click the corresponding picture, if the picture is set with a number, the phone will dial the number directly. If not, the phone will turn to the configure page. If you want to modify the number relating to Picture dial, you can keep pressing on the picture for 3seconds, then it will turn to the configure page. For more information, please refer to "Picture Dial".

Figure 4-3 Picture dial

DSS Key

VP-2009(P) Elite provides Direct Station Selection (DSS) keys. You can assign various functions to DSS keys for using these functions quickly. For more information you can refer to "DSS Key".

Figure 4-4 DSS key

5 Configuring VP-2009(P) Elite

Setting Interface

User can configure many functions, such as: Account, Network, Call Feature, Display, Date & Time, Sound, Security, Personalize, Reset, Reboot and Calibration,

To access the **Setting** page, proceed as follows:

Step 1 Press the Left/Right navigation key in the standby state to switch to the Main Menu.

Step 2 Click [Setting].

Set the Account

To configure the Account on the LCD, proceed as follows:

Step 1 Access the **Settings** page.

Step 2 Click **[Account]**

Step 3 Enter the administrator's password (the default password is **admin**).

Step 4 Click the , enter into the configure page.

Step 5 Configure the Account's parameter.

Step 6 Click the <**Save**>.

Figure 5-1 Account

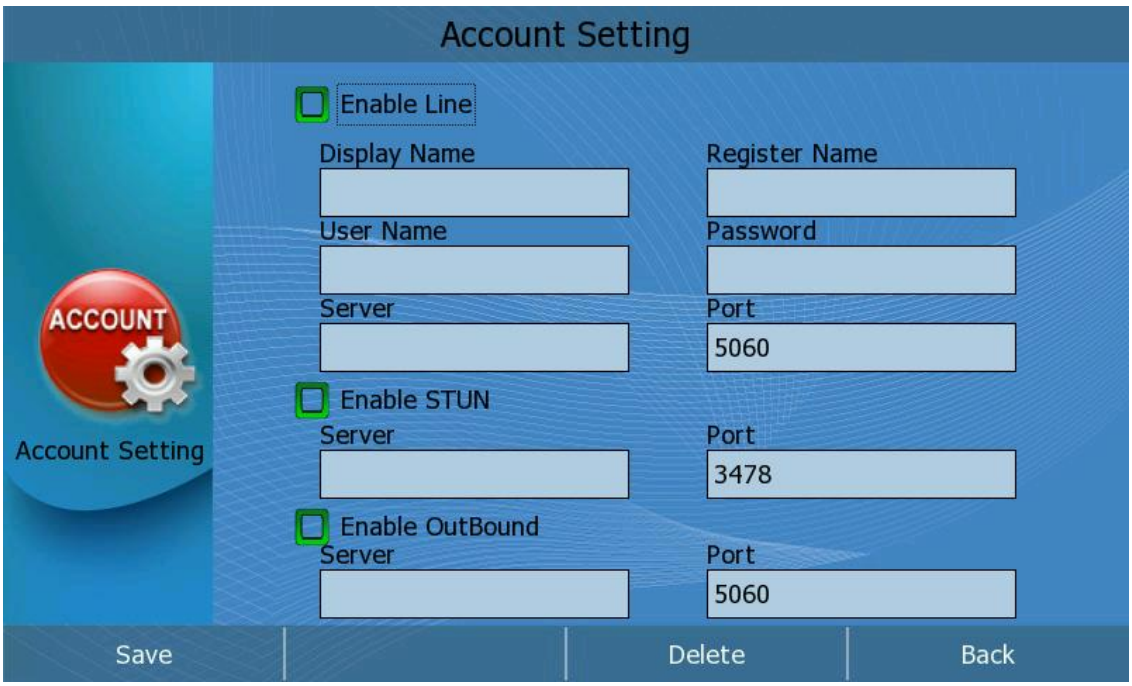


Table 5-1 Parameters about the Account

Parameter	Description
Enable Line	Whether to activate the account. Click this icon to choose enabled or disabled the line, represent enabled.
--Display Name	The local phone name showing on the other phone when calling.
--Register Name	SIP service subscriber's ID used for authentication.

Parameter	Description
--User Name	Account name that is specified by the VoIP service provider. The value is similar to a phone number or is a phone number.
--Password	Password corresponding to **Register Name**. The value is provided by the service provider.
--Server	IP address or domain name of the SIP server that is specified by the VoIP service provider.
--Port	Port number of the SIP server. The default value of VP-2009(P) Elite is **5060**.
Enable STUN	Whether to activate the STUN Server.
--Server	IP address and domain name of the STUN server.
--Port	Port number of the STUN server. The default value is **3478**.
Enable Outbound	Whether to enable the outbound proxy server.
--Server	IP address or domain name of the outbound proxy server.
--Port	Port number of the outbound proxy server. The default value is **5060**.

Set the Network

To configure the Network on the LCD, proceed as follows:

Step 1 Access the **Settings** page.

Step 2 Click [**Network**]

Step 3 Enter the administrator's password (the default password is **admin**).

Step 4 Click the , enter the configure page.

Step 5 Configure the Network's parameter.

Step 6 Click the <**Save**>.

Figure 5-2 WAN

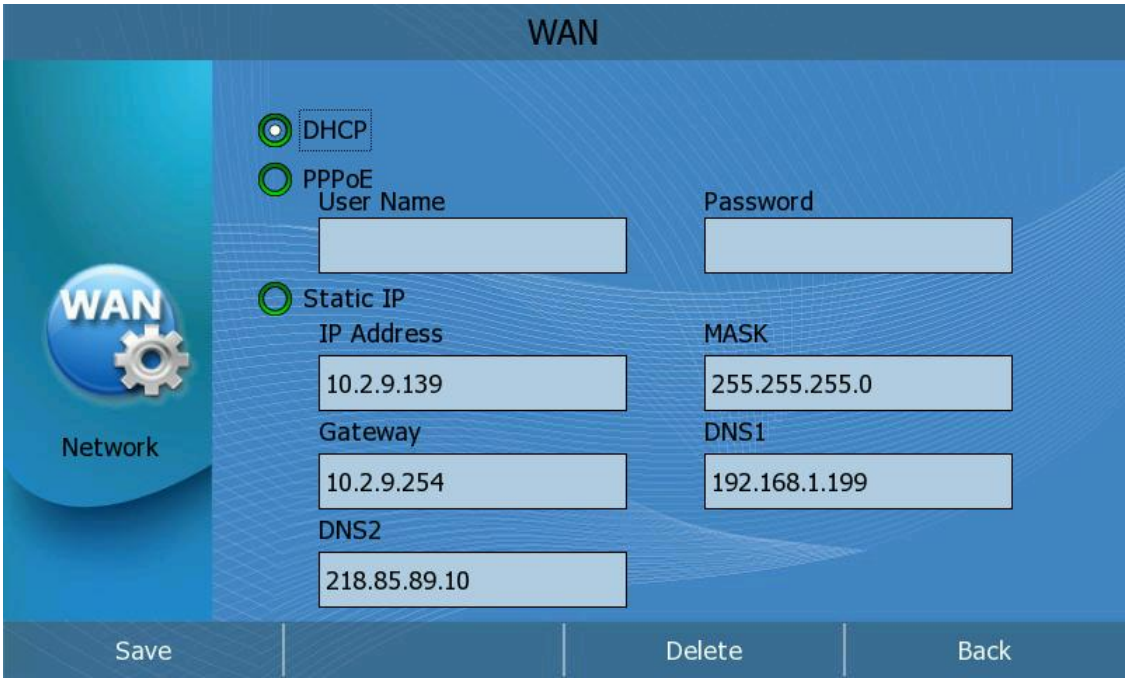


Table 5-2 Parameters about the Network

Parameter	Description
DHCP	If you select the **DHCP** check box, VP-2009(P) Elite automatically attempts to connect to the DHCP server for obtaining resources such as the IP address, subnet mask, gateway, and DNS server information.
PPPoE	If the xDSL modem is used, you can connect VP-2009(P) Elite to the network in PPPoE mode. For details about the user name and password, contact the network service provider.
--User Name	User name that is specified by the network service provider.
--Password	Password that is specified by the network service provider.
Static IP	If you click the **Static IP address** option button, you must manually set network parameters including **IP Address**, **Subnet Mask**, **Default Gateway**, **Primary DNS**, and **Secondary DNS**. For details about these parameters, contact the network administrator.
--IP Address	VP-2009(P) Elite's IP address.
--Mask	VP-2009(P) Elite's subnet mask.
--Gateway	Default gateway of VP-2009(P) Elite.
--DNS1	IP address of the primary DNS server.
--DNS2	IP address of the secondary DNS server.

Set the Display

Set the Screen Saver

User can configure the Screen Saver time, Screen Type, Backlight Time and Wallpaper.

To configure the Desktop on the LCD, proceed as follows:

Step 1 Access the **Settings** page.

Step 2 Click [**Display**].

Step 3 Configure the options.

Step 4 Click the <**Save**>.

Figure 5-3 Desktop setting

Wallpaper Manager

User can manage the wall paper, such as: Preview, Delete and import.

To manage the wall paper on the LCD, proceed as follows:

Step 1 Access the Settings page.

Step 2 Click [**Display**].

Step 3 Click the <**Wallpaper Manager**>.

Step 4 Click the <**Preview**>, <**Delete**>, <**USB**> or <**Back**>.

Only within the limits of authority can users delete the uploading pictures. You can consult your system administrator for more details regarding the allocation of the limits of authority.

Setting the Date and Time

User can set the time and date, and then the time will display in the standby state.

To set the date and time, proceed as follows:

Step 1 Access the Settings page.

Step 2 Click [**Date & Time**].

Step 3 Select [**Time Zone**] and [**Time Format**].

Step 4 Select a setting mode as required.

- NTP Mode

  VP-2009(P) Elite automatically obtains the Universal Time Coordinated (UTC) time from a dedicated NTP server. User must enter the Time Server in the field.

- Manual Mode

  You need to use navigation keys to manually set the time and date.

Step 5 Click the <**Save**>.

Figure 5-4 Date and time

Table 5-3 Parameters about the Date and Time

Parameter	Description
Time Zone	Local time zone.
Time Format	To set the displayed time format of your phone, 12-hour and 24-hour respectively.
NTP Mode	Whether to activate the NTP mode. If choose enable, VP-2009(P) Elite automatically obtains the Universal Time Coordinated (UTC) time from a dedicated NTP server.
--Time Server	IP address of the NTP server that provides the UTC time.
Manual Mode	Whether to activate the manual mode. If choose enable, user can set the time by yourself.
--Date	To input the date.
--Time	To input the time.

Setting the Ring Tone

Users can set the volume of calls and ringing tones and the ringtone type, proceed as follows:

Step 1 Access the **Settings** page.

Step 2 Click [**Sound**].

Step 3 Select [**Ringing Tone**].

Step 4 The volume of calls and ringing tones can be set by clicking the icon or of the corresponding options

Step 5 Click the <**Save**>.

Figure 5-5 Tones and volume

Manager the Ringtone

Users can make operations including the audition, deletion and import of the ringtone documents, proceed as follows:

Step 1 Access the **Settings** page.

Step 2 Click [**Sound**].

Step 3 Click the <**Ringtone Manager**>.

Step 4 Ringtones can be auditioned or deleted. Ringtone operation can also be conducted by importing through USB

Step 5 Click the <**Back**> to return to the previous menu.

The phone will ring when the cursor moves to whichever a ringtone document for your convenience.

Only within the limits of authority can users delete the uploading ringtones. You can consult your system administrator for more details regarding the allocation of the limits of authority.

Figure 5-6 Ringtone manager

Setting the password

Users can change the default password of the administrator, proceed as follows:

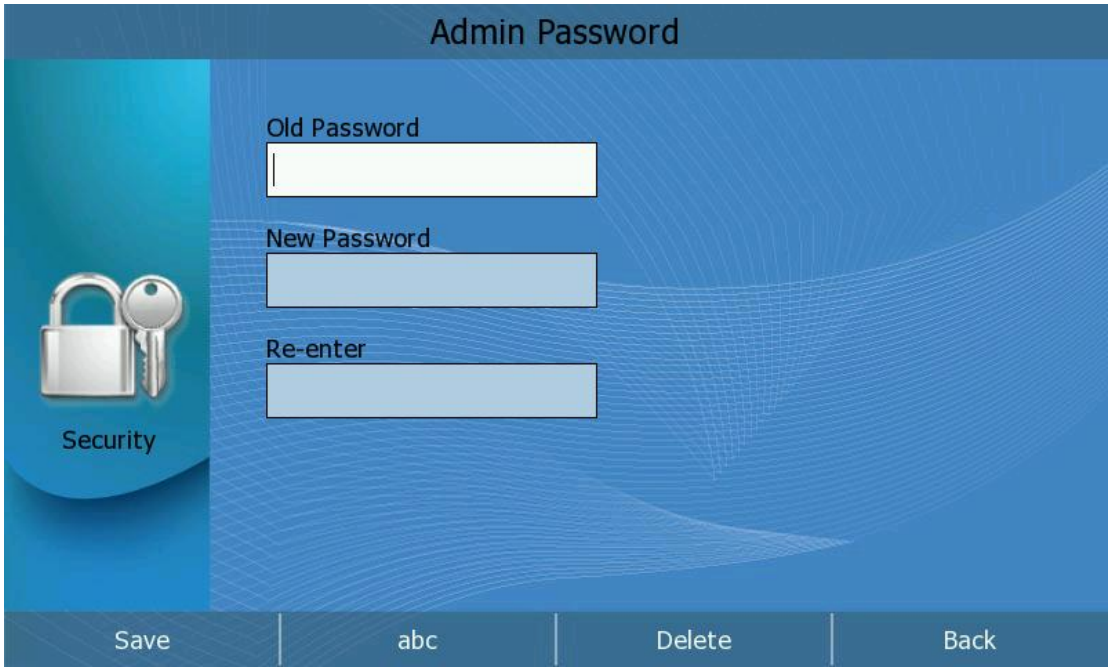
Step 1 Access the **Settings** page.

Step 2 Click [**Security**].

Step 3 Input the old password, the new password and confirm the new password in proper order;

Step 4 Click the <**Save**>.

Figure 5-7 Admin password



Set the Language

To configure the Language on the LCD, proceed as follows:

Step 1 Access the **Settings** page.

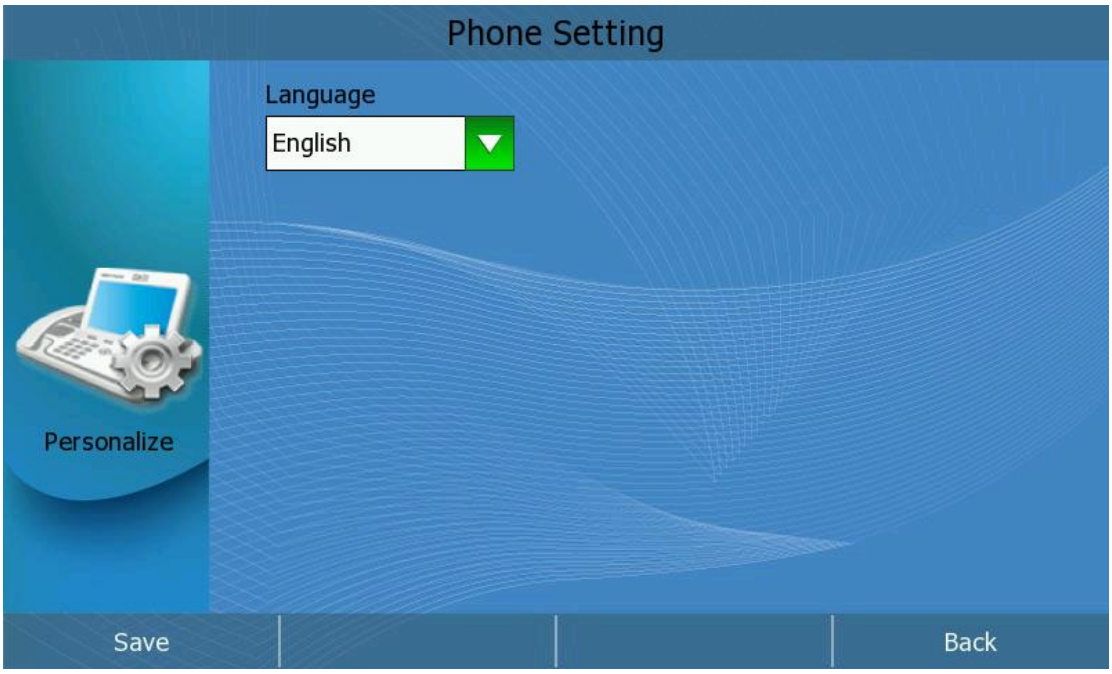
Step 2 Click [**Personalize**]

Step 3 Select a required language and click the <**Save**>.

Step 4 The phone will pop up a warning frame.

Step 5 Click the icon to confirm the operation and the phone will reboot.

Figure 5-8 Phone setting



Reset to the factory

When there is something wrong or irrational with certain functional configuration of the phone, you can choose the factory reset to resume the initial configuration.

To reset to the factory, proceed as follows:

Step 1 Access the **Settings** page.

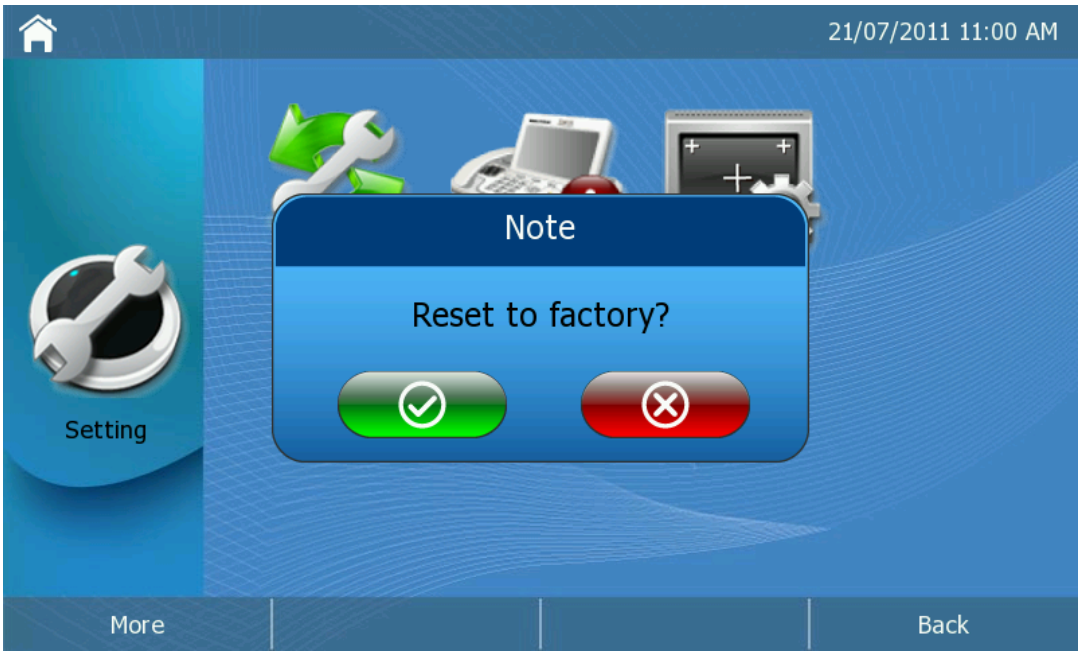
Step 2 Click the <**More**>.

Step 3 Click [**Reset**].

Step 4 Input the administrator password, and then click the icon to confirm the operation;

Step 5 A dialog will be popped up to check whether to reset the phone. Click the icon to confirm the operation.

Figure 5-9 Reset to the factory



Reboot

To reboot the phone, proceed as follows:

Step 1 Access the **Settings** page.

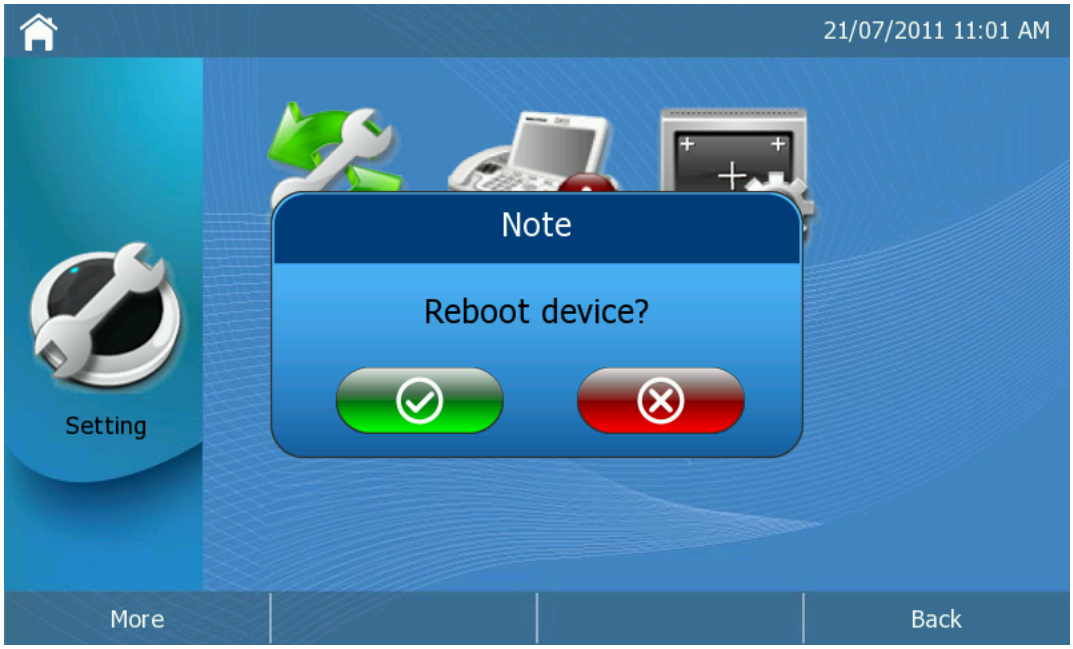
Step 2 Click the <**More**>.

Step 3 Click [**Reboot**].

Step 4 Input the administrator password, and then click the icon to confirm the operation;

Step 5 A dialog will be popped up to check whether to reboot the phone. Click the icon to confirm the operation.

Figure 5-10 Reboot



Screen Calibration

To Screen Calibration, proceed as follows:

Step 1 Access the **Settings** page.

Step 2 Click [**Calibration**].

Step 3 A dialog will be popped up to check whether to begin the calibration. Click the icon to confirm the calibration operation;

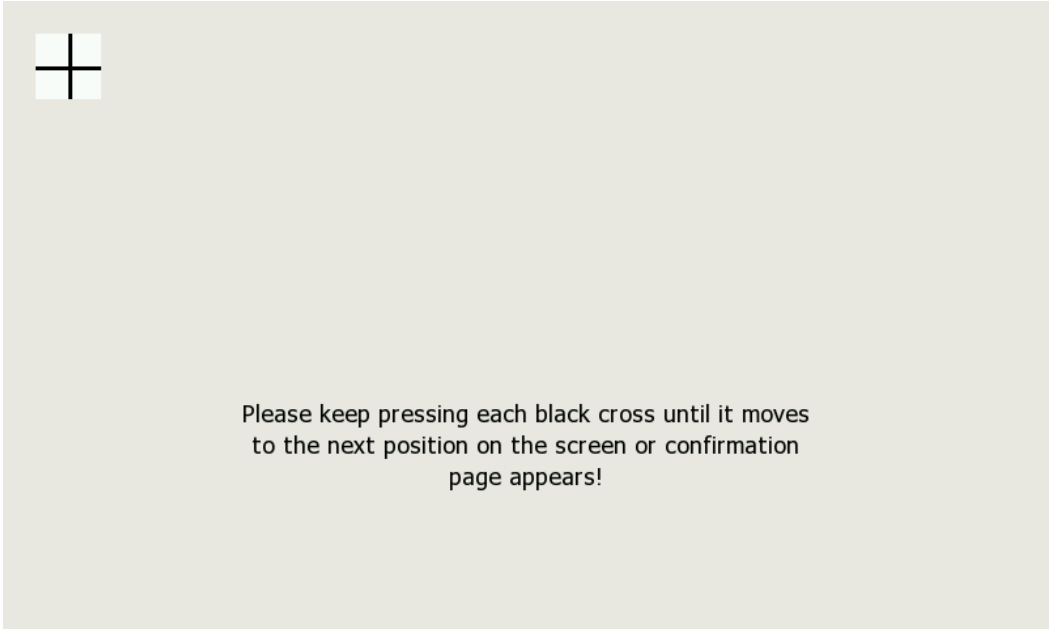
Step 4 Clicking the mark "+" for around 3 seconds, then the calibrating spot will be automatically skipped to the next one;

Step 5 When the 5 calibrating spots are finished, a dialog will be popped up to check whether to calibrate the screen accordingly. Click the icon to confirm the operation or click "Again" button to make a re-calibration;

Step 6 If the calibration failed, you need to restart a new one;

Step 7 If there is no operation in 30 seconds during the calibration, the process will exit automatically

Figure 5-11 Screen calibration



Call Feature

Users can configure the call function through the option interface. The functions can be configured are as followed: DSS key, Picture Dial, Voice Mail, Hotline, Forward, Call Waiting, Auto Answer, Video, TV output, Key As Send and Anonymous Call.

To access the **Call Feature** page, proceed as follows:

Step 1 Press the Left/Right navigation key in the standby state to switch to the Main Menu.

Step 2 Click [**Call Feature**].

Figure 5-12 Call feature

DSS Key

VP-2009(P) Elite provides Direct Station Selection (DSS) keys. You can assign various functions to DSS keys for using these functions quickly. Each DSS key can support 4 functions: line, speed dial, BLF, BLF list.

When you set DSS Key as Speed dial, BLF and BLF List function, the DSS Key will turn green or other color.

For example: When you set the DSS Key as Speed Dial, the DSS Key will turn green.

To set DSS Key, proceed as follows:

Step 1 Access the **Call Feature** page.

Step 2 Click [**DSS Key**]

Step 3 Enter the list of DSS Key to check the configuration information of the corresponding keys;

Step 4 Click the keys to be set to configure the corresponding parameter. The parameter instruction is as followed.

Figure 5-13 DSS key list

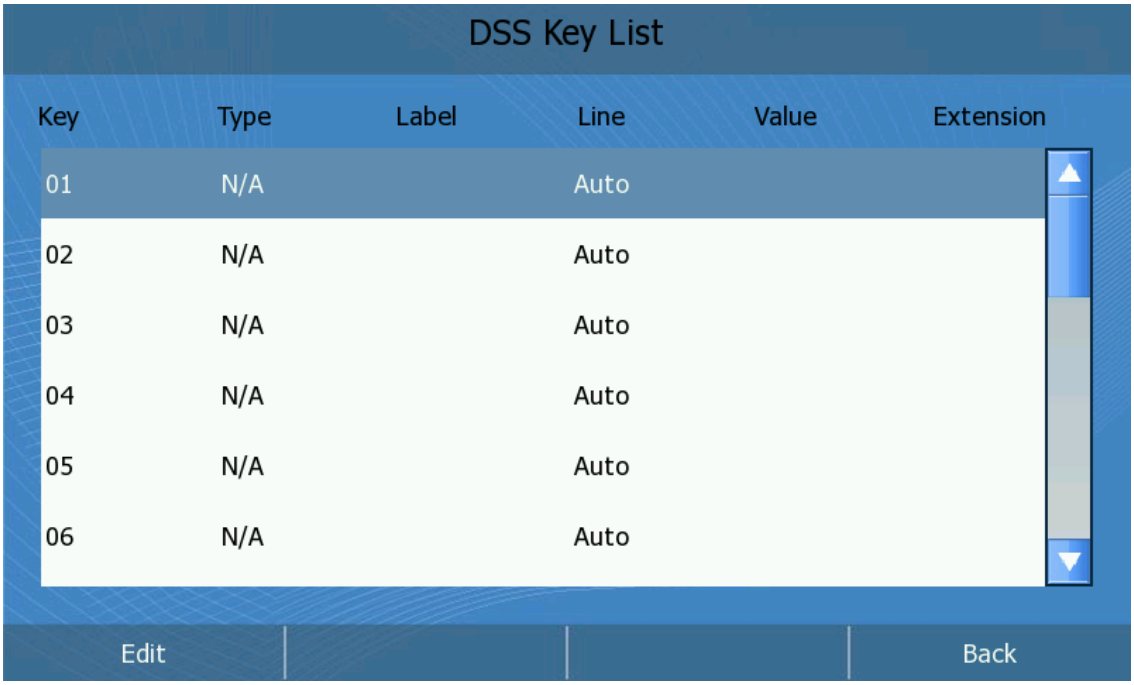


Figure 5-14 DSS key setting

Table 5-4 The parameter specification chart of each option

Parameter	Description
DSS Key 0X	To display the serial number of the DSS Key.
Type	To choose what function the required DSS key to be set. The default type is "N/A", namely no function set.
Line	To choose which line the function applies to.
Label	User-defined name displayed in the DSS Key interface.
Value	To input the corresponding configuration value, e.g. to input the number in Speed Dial
Extension	To input feature code. Now it is only required by BLF.

Line

To set the line type of the DSS Keys, when you click this DSS key, the phone will enter the dial interface of this line directly

To set the DSS Key as Line, proceed as follows:

Step 1 Click the "Type" option, and then choose "Line" option in the pull-down menu;

Step 2 Choose the line to be configured in the pull-down menu of the "Line" option. If you choose "Auto", the default account at present is adopted;

Step 3 Click the <**Save**>.

Speed Dial

To set the Speed Dial type of the DSS Keys, when you click this DSS key, the phone will dial out the number directly.

To set the DSS Key as Speed Dial, proceed as follows:

Step 1 Click the "Type" option, and then choose "Speed Dial" option in the pull-down menu;

Step 2 Choose the line to be configured in the pull-down menu of the "Line" option. If you choose "Auto", the default account at present is adopted;

Step 3 Input the "Label".

Step 4 Input the Speed Dial number to be configured in the "Value" field.

Step 5 Click the <**Save**>.

BLF

To set the DSS Key as BLF, proceed as follows:

Step 1 Click the "Type" option, and then choose "BLF" option in the pull-down menu;

Step 2 Choose the line to be configured in the pull-down menu of the "Line" option. If you choose "Auto", the default account at present is adopted;

Step 3 Input the "Label".

Step 4 Input the monitor number to be configured in the "Value" field.

Step 5 Input the feature code in the "Extension" field.

Step 6 Click the <**Save**>.

BLF List

To set the DSS Key as BLF List, proceed as follows:

Step 1 Click the "Type" option, and then choose "BLF List" option in the pull-down menu;

Step 2 Choose the line to be configured in the pull-down menu of the "Line" option. If you choose "Auto", the default account at present is adopted;

Step 3 Click the <**Save**>.

Picture Dial

Users can enter the configuration interface not only through the Picture Dial interface, but also through the Picture Dial configuration option in the function interface. Please refer to "Picture Dial" for more details.

To Configure Picture Dial function, proceed as follows:

Step 1 Access the **Call Feature** page.

Step 2 Click [**Picture Dial**].

Step 3 The configuration information of 6 pictures will be displayed in the left list;

Step 4 Click the corresponding list of sequence number and make the configuration by clicking the edit box on the right. Parameters are as the chart below.

Step 5 Click the icon to save your settings.

Figure 5-15 Picture dial setting

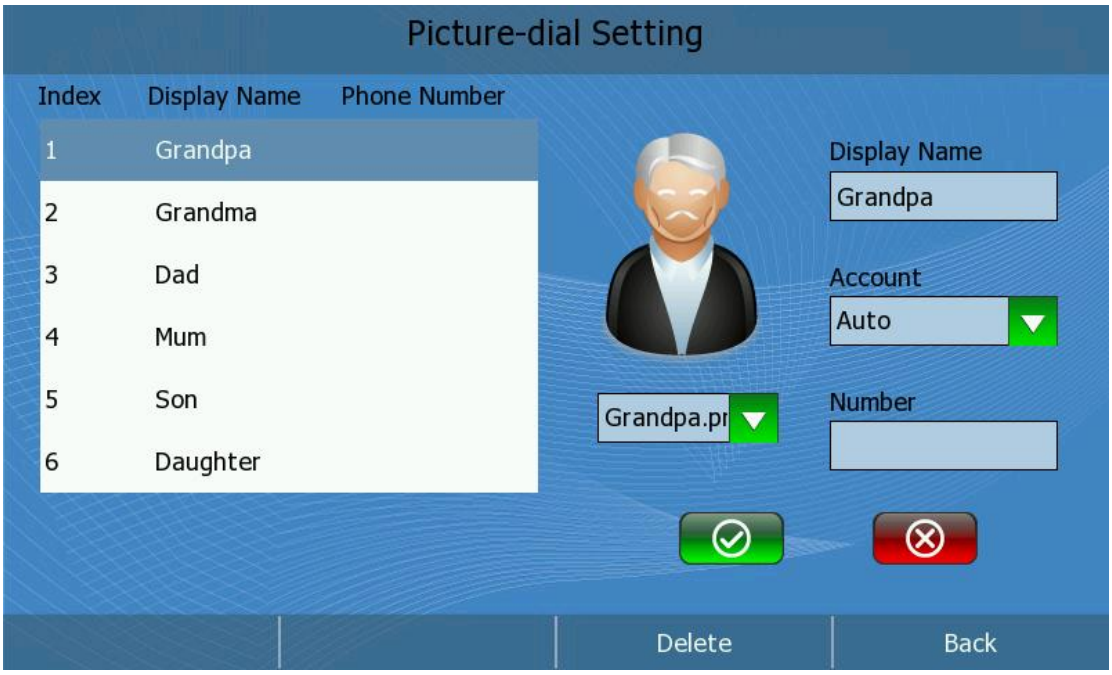


Table 5-5 The parameter specification chart of each option

Parameter	Description
Display Name	User-defined name displayed below the picture.
Account	To set the applicative account. If you choose "Auto", the default account at present is adopted.
Phone Number	To set the automatically calling-out phone number
Contact Picture Box	To choose the applicative picture. Users also can upload pictures through auto provision. You can consult your system administrator for more details about "Auto Provision".

Voice Mail

The voice mailbox is stored on the Media Resource Server (MRS). You can use VP-2009(P) Elite to connect to the server to obtain voice messages.

After receiving a new voice message in the standby state, VP-2009(P) Elite displays a notification on the screen. If you have configured a voice mailbox access code, click the icon to access the voice mailbox.

To Set the Voice Mailbox Access Code, proceed as follows:

Step 1 Access the **Call Feature** page.

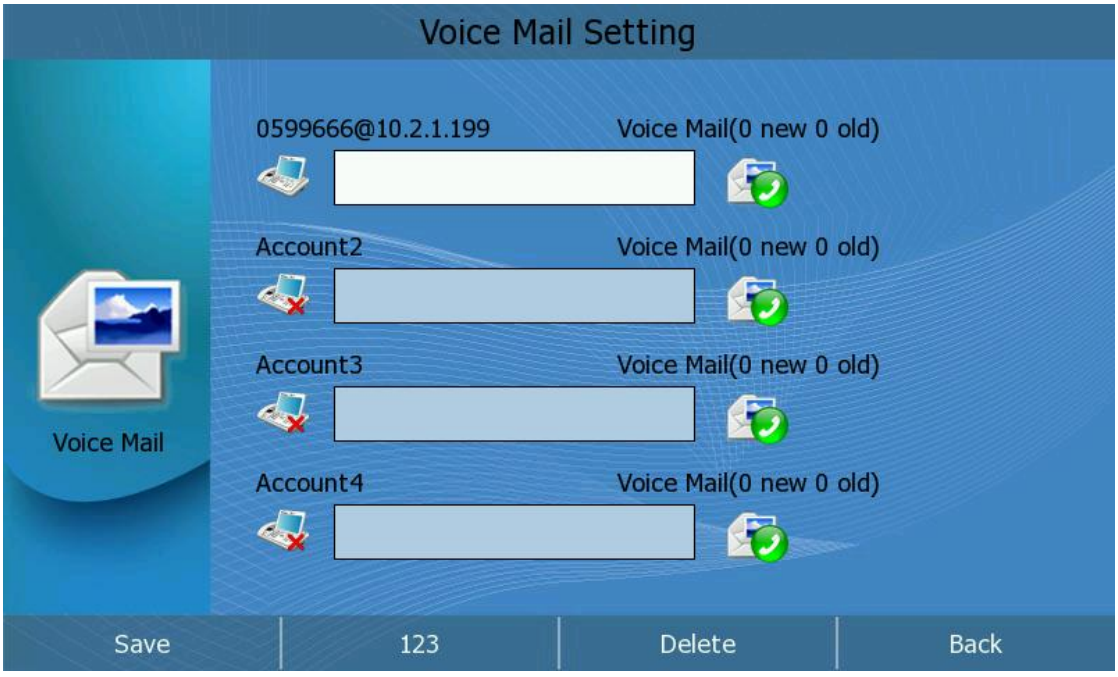
Step 2 Click [**Voice Mail**].

Step 3 Set the access code of your voice mailbox of the corresponding account.

Step 4 Click the <**Save**>.

Step 5 After the settings are finished, when there is a new voice mail, you can directly click the icon in the configuration interface to acquire your voice mail information with access to the mailbox server.

Figure 5-16 Voice mail setting



Hotline

The hot line function works when users pick up the handset or press the speaker key but do not dial any numbers or hang up within the preset duration.

To set the hot line, proceed as follows:

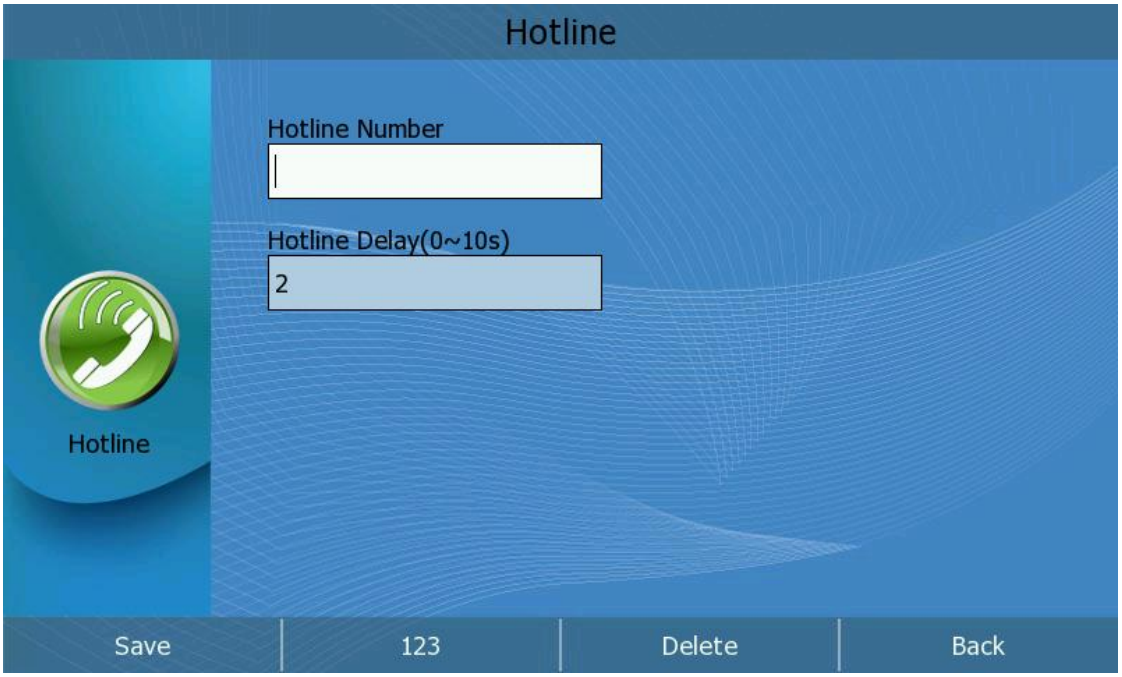
Step 1 Access the **Call Feature** page.

Step 2 Click [**Hotline**].

Step 3 Enter the hot line number and set hot line delay.

Step 4 Click the <**Save**>.

Figure 5-17 Hotline



Forward

VP-2009(P) Elite supports three call forward modes: **Always Forward**, **Busy Forward**, and **No Answer Forward**. If auto-forwarding is under no requirement, you can forward your call to a third party through manual operation.

To configure the call forward function, proceed as follows:

Step 1 Access the **Call Feature** page.

Step 2 Click [**Forward**].

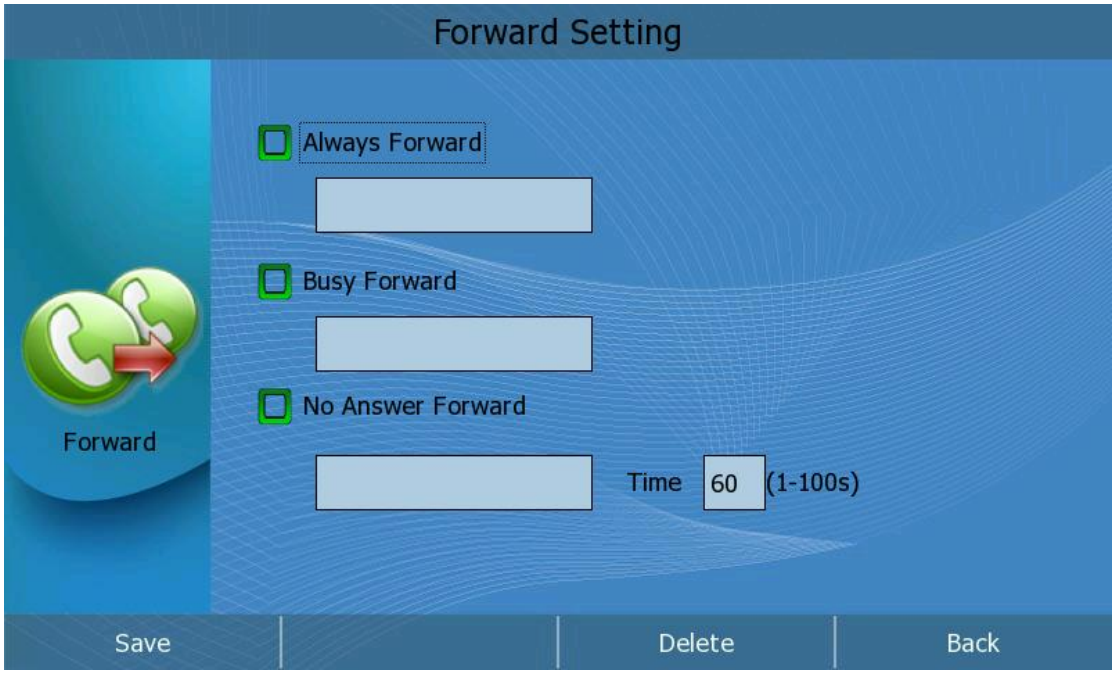
Step 3 Select a call forward mode.

Step 4 Enter the forwarded-to number.

If you set the call forward mode to **No Answer Forward**, you must set **After Ring Times**.

Step 5 Click the <**Save**>.

Figure 5-18 Forward setting



If you enable the automatic forwarding function, the VP-2009(P) Elite automatically forwards incoming calls based on the preset forward type. If you enable the manual forwarding function, you can forward an incoming call by clicking and entering the forward-to number.

Call Waiting

When you are in a conversation and a new call comes, you can make the new call wait.

To configure the call waiting function, proceed as follows:

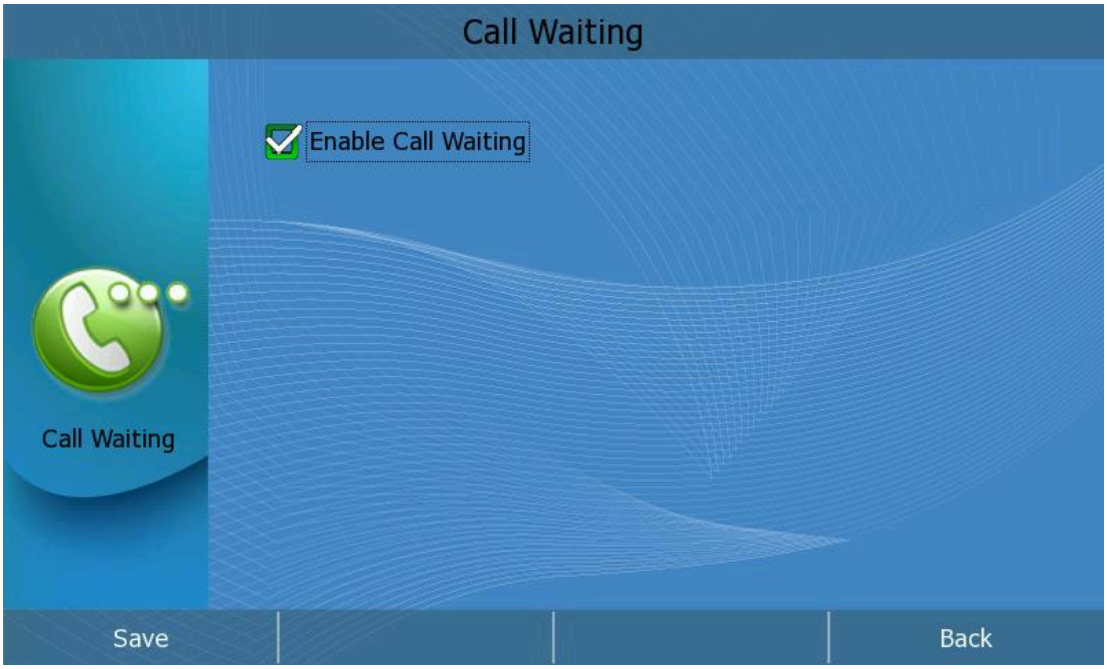
Step 1 Access the **Call Feature** page.

Step 2 Click [**Call Waiting**].

Step 3 Choose enable or disable the call waiting function.

Step 4 Click the <**Save**>.

Figure 5-19 Call waiting



Auto Answer

Users can answer calls automatically through the set type of Auto Answer. It supports 4 types: Directly, After 5 seconds, after 15 seconds, and After 30 seconds. The phone supports the individual configuration of each distinct account.

To configure the auto answer function, proceed as follows:

Step 1 Access the **Call Feature** page.

Step 2 Click [**Auto Answer**].

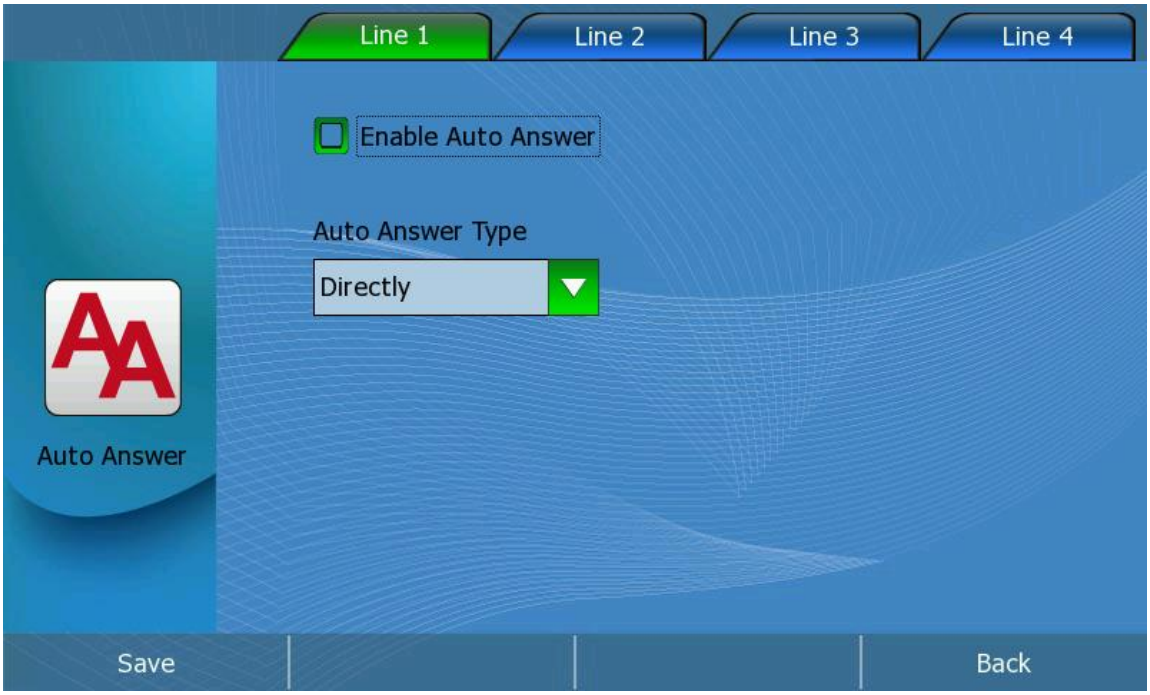
Step 3 Choose which account to be configured the Auto Answer function.

Step 4 Choose enable or disable the auto answer function.

Step 5 Choose the auto answer type in the pull-down menu of Auto Answer Type.

Step 6 Click the <**Save**>.

Figure 5-20 Auto answer



Video

Users can set the call type through this option, e.g. the default call type is video call or voice call, and whether the Local Video is enabled. The settings include the Bandwidth and Frame Rate. The phone supports the individual configuration of each distinct account.

To configure video, proceed as follows:

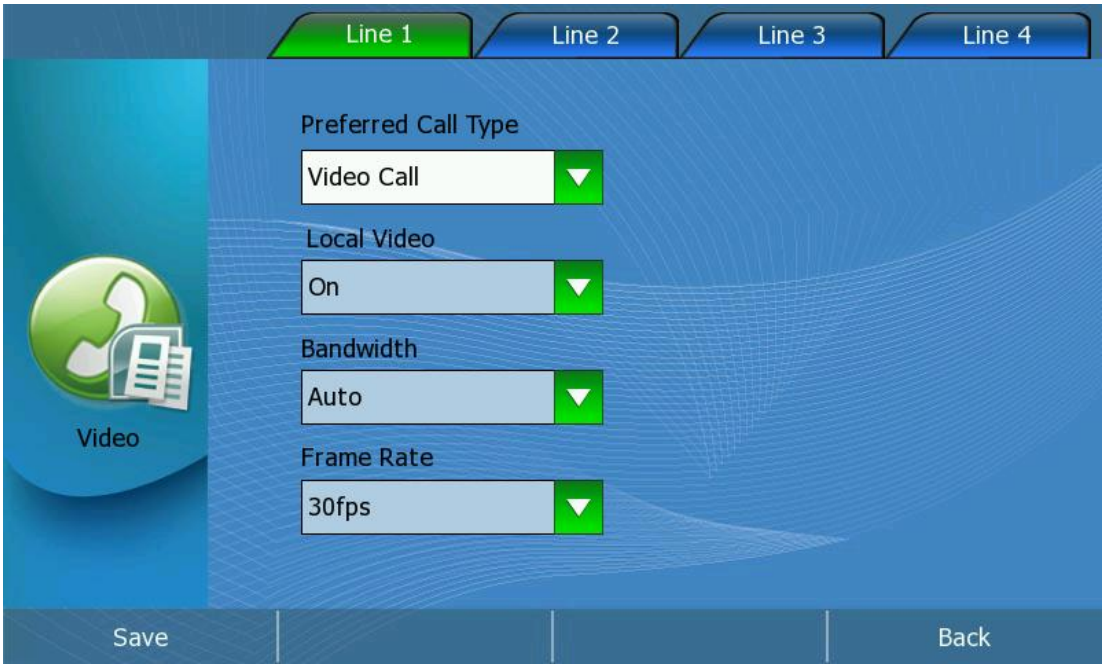
Step 1 Access the **Call Feature** page.

Step 2 Click [**Video**].

Step 3 Choose which account to be configured the option of user-defined video

Step 4 Choose the Preferred Call Type, the on and off of Local Video, Bandwidth and Frame Rate in the pull-down menu.

Step 5 Click the <**Save**>.



TV Output

The phone supports the TV output of videos. Users can set the formats of this option through auto or manual operation.

To configure the TV output function, proceed as follows:

Step 1 Access the **Call Feature** page.

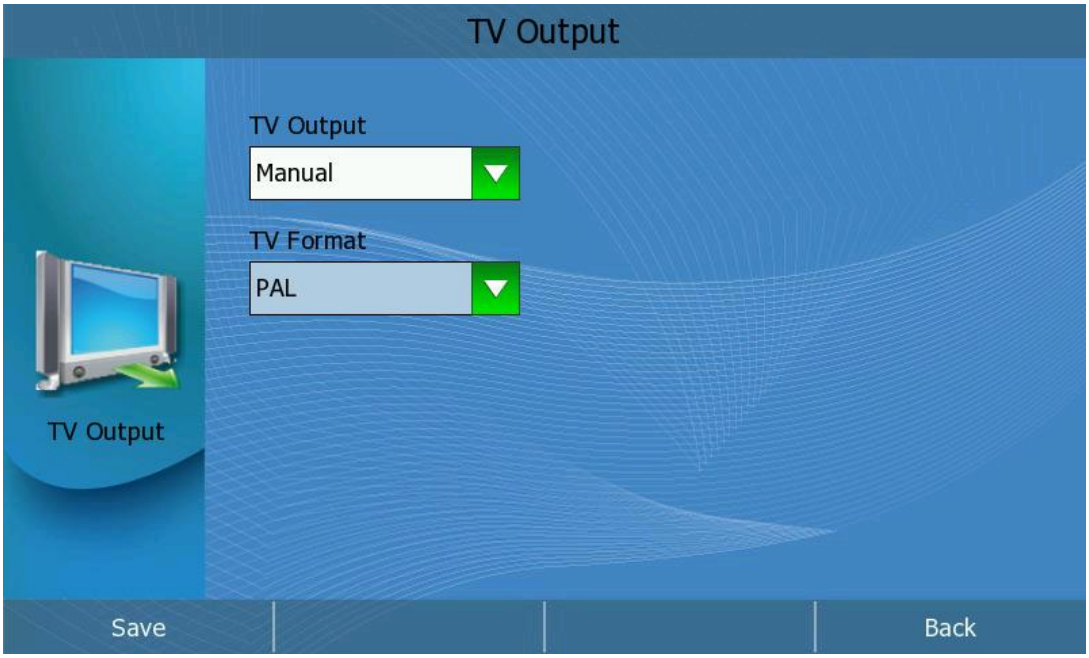
Step 2 Click [**TV Output**].

Step 3 Choose Auto or Manual in the pull-down menu of TV Output;

Step 4 Choose the formats in the pull-down menu of TV Format;

Step 5 Click the <**Save**>.

Figure 5-21 TV output



Setting the Send Key

VP-2009(P) Elite allows you to set a key such as the pound key (#) or start key (*) as the send key. By default, the pound key (#) is used.

To configure the key as send function, proceed as follows:

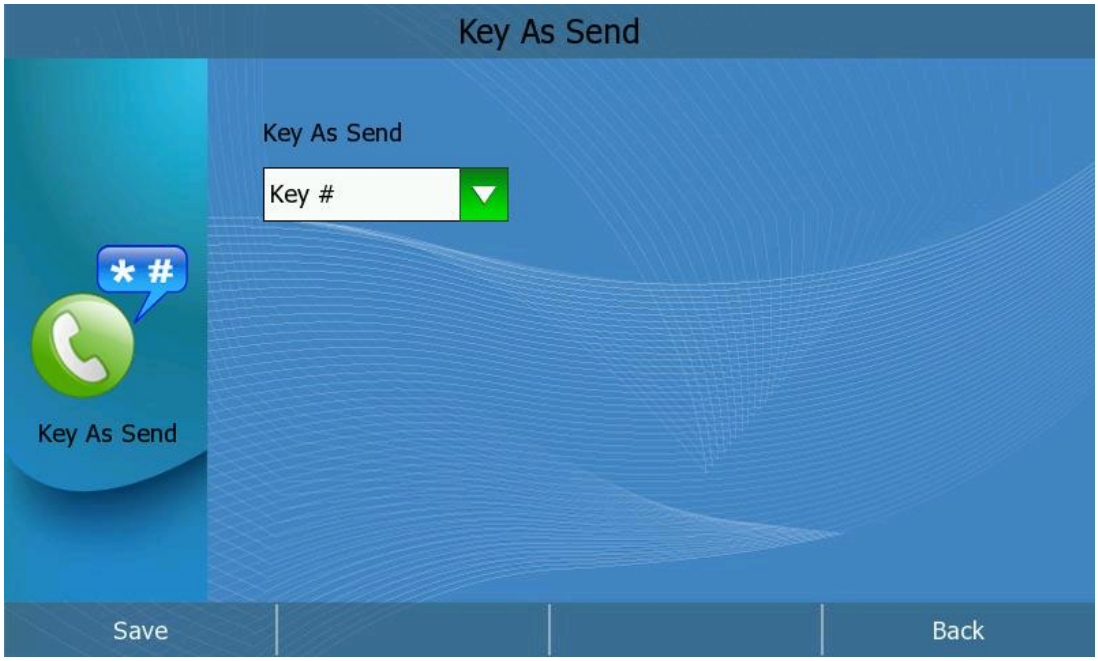
Step 1 Access the **Call Feature** page.

Step 2 Click [**Key As Send**].

Step 3 Select a key in the pull-down menu, and set this key to the send key.

Step 4 Click the <**Save**>.

Figure 5-22 Key as send



Anonymous Call

If Anonymous Call is enabled, the phone of the opposite side cannot display your name when you make a phone call.

You can also enable the Anonymous Call Rejection. When an anonymous call is coming, the phone will automatically reject it.

The function can also be set through the server, which only requires the on/off feature code. When it is conducted on the phone, the phone will automatically send the corresponding feature code to the server to set the function on/off . The function requires the support of the server. The phone supports the individual configuration of each distinct account.

To configure the anonymous call function, proceed as follows:

Step 1 Access the **Call Feature** page.

Step 2 Click [**Anonymous Call**].

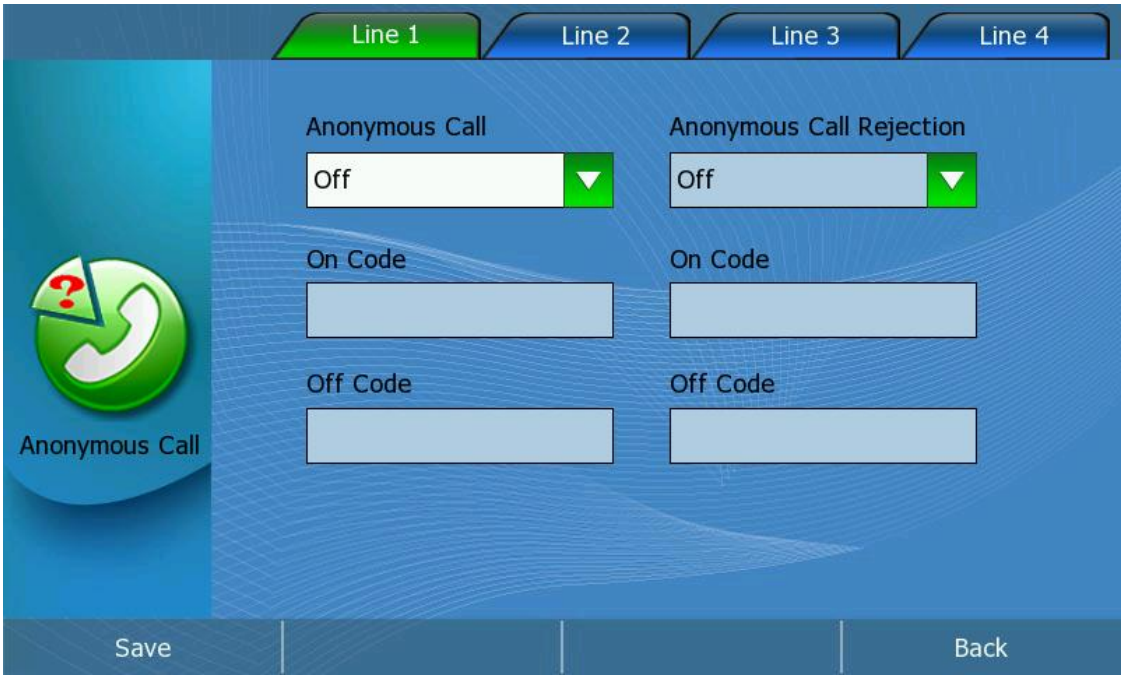
Step 3 Choose which account to be configured the Anonymous Call function.

Step 4 Choose enable or disable Anonymous Call and Anonymous Call Rejection;

Step 5 User can also input the feature code in the On Code and Off Code.

Step 6 Click the <**Save**>.

Figure 5-23 Anonymous call



Directory

Address books on VP-2009(P) Elite stores contact information. You can add, edit, delete, call, or search for contacts. You can also add, edit or delete the contacts group.

To access the **Directory** page, proceed as follows:

Step 1 Press the Left/Right navigation key in the standby state to switch to the Main Menu.

Step 2 Click [**Directory**].

To choose the **Contacts Group** page, proceed as follows:

Step 1 Enter the **Directory** page, Press the Left/Right navigation key to switch the group.

To choose the **Contacts Record** page, proceed as follows:

Step 1 Enter the **Directory Group** page, Press the Up/Down navigation key to select the record.

Adding a Contact Group

Users can divide distinct contacts into defined groups in order to be more convenient to find out certain contact or set the group ring.

To add a contact group, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Click [**Options**].

Step 3 Click [**Group Manager**] in the extensional menu to enter into the edit page.

Step 4 Click the <**Add**>, input the group name on the right, and choose the Group Ring.

Step 5 Click the icon to save.

Editing/Deleting a Contact Group

To edit/delete a contact group, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Click [**Options**].

Step 3 Click [**Group Manager**] in the extensional menu to enter the edit page.

Step 4 Choose the group to be edited or deleted in the group list on the left side.

Step 5 The edit or deletion can be conducted in the box on the right side, and then click the icon to save, or click the <**Delete**> to delete the record.

Black List and Anonymous defaulted by the system can only be operated the ringtone change without being conducted the operation of deleting and renaming.

Adding a Contact

To add a contact, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Click [**Options**].

Step 3 Click [**Add**] in the extensional menu to enter the New Contact page.

Step 4 Configure basic contact information such as name, office number, mobile number and Family Number, and select an appropriate ring, group and contact image.

Step 5 Click the <**Save**>.

To move a contact from the call record list to the address book, proceed as follows:

Step 1 Press the Left/Right navigation key in the standby state to switch to the Main Menu.

Step 2 Click [**Call History**].

Step 3 Choose a record which you want to add to the contact list.

Step 4 Click the <**Add**> to enter into the New Contact page.

Step 5 Configure basic contact information such as name, office number, mobile number and Family Number, and select an appropriate ring, group and contact image.

Step 6 Click the <**Save**>.

You can also add the remote address book or LDAP's search results to the local directory.

Step 1 Enter the record page.

Step 2 Choose the record, and then click the <**Add**> to enter the edit contact page.

Step 3 Click the <**Save**>.

Editing a Contact

To Editing a contact, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Choose a contact group.

Step 3 Click the record which you want to edit.

Step 4 Click the <**Edit**> to enter the edit contact page.

Step 5 Click the <**Save**>.

Deleting a Contact

To Deleting a contact, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Choose a contact group.

Step 3 Choose the record which you want to delete.

Step 4 Click [**Options**].

Step 5 Click [**Delete**] in the extensional menu, a confirm message is displayed.

Step 6 Click the icon to confirm the operation

Clearing the Contact

To Clearing a Contact, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Choose a contact group which you want to clear.

Step 3 Click [**Options**].

Step 4 Click [**Clear**] in the extensional menu, a confirm message is displayed.

Step 5 Click the icon to confirm the operation

The "Clear" operation is defaulted to clear all the contacts in the chosen group. If "All" is chosen to clear the group, then all the contacts on the phone (including Black List) will be cleared.

Adding/Deleting/Clearing a Blacklist

When the black list is recorded, the call from the contact is not accessible to your phone.

Adding/Deleting/Clearing the Black List is primarily the same with Adding/Deleting/Clearing the Directory.

Remote Phonebook

Please refer to the "Directory" section for the instruction of the remote phonebook.

Each VP-2009(P) Elite is configured with a local address book. A public address book is required for all phones in an enterprise.

After a remote phonebook is enabled, users can access the remote phonebook. When the remote phonebook is set on the phone, click it and the phone will download and display the contact information through the server.

To access the remote phonebook page, proceed as follows:

Step 1 Access the **Directory** page.

Step 2 Click the remote phonebook to enter the remote phonebook page.

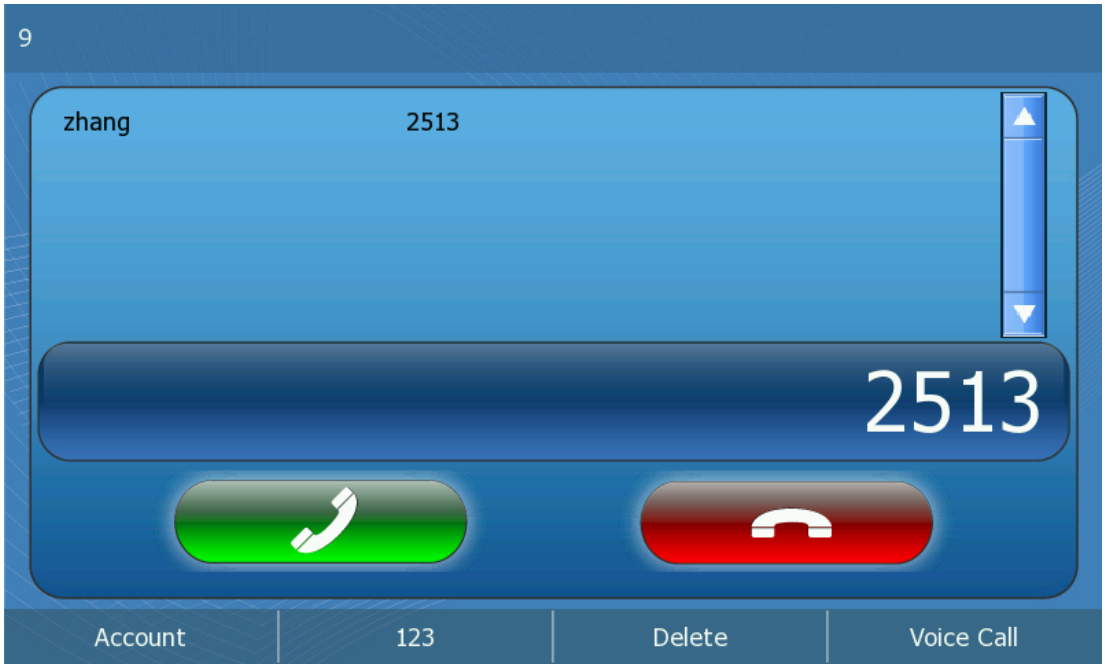
LDAP

The Lightweight Directory Access Protocol (LDAP) is an application protocol for reading and editing directories over an IP network. A directory in this sense is an organized set of records: for example, a telephone directory is an alphabetical list of persons and organizations with an address and phone number in each "record". This function needs server support.

When user enables the LDAP function, user can enter the directory to inquire the record, and dial out or add the record to contact etc.

Please refer to the "LDAP" section for the instruction of the LDAP.

If you enable the LDAP feature, when you in the dial-up interface, enter the number or the keywords the phone will display the search interface.



Call History

Call History on VP-2009(P) Elite stores history information. You can delete or clear the history record.

To access the **Call History** page, proceed as follows:

Step 1 Press the Left/Right navigation key in the standby state to switch to the Main Menu.

Step 2 Click [**Call History**].

To choose the **Call History Type** page, proceed as follows:

Step 1 Enter into the **Call History** page, Press the Left/Right navigation key to switch the type.

To choose the **Call History Record** page, proceed as follows:

Step 1 Enter into the **Call History** Type page, Press the Up/Down navigation key to select the record.

Deleting the history record

To Deleting a history record, proceed as follows:

Step 1 Access the **Call History** page.

Step 2 Choose a type.

Step 3 Choose the record which you want to delete.

Step 4 Click [**Options**].

Step 5 Click [**Delete**] in the extensional menu, a confirm message is displayed.

Step 6 Click the icon to confirm the operation

Clearing the history

To clearing the history record, proceed as follows:

Step 1 Access the **Call History** page.

Step 2 Choose a type which you want to clear.

Step 3 Click [**Options**].

Step 4 Click [**Clear**] in the extensional menu, a confirm message is displayed..

Step 5 Click the icon to confirm the operation

The “Clear” operation is defaulted to clear all the history records in the chosen type. If “All Calls” is chosen to clear the type, then all the history records on the phone will be cleared.

Media

Users can enter the Media page, and then preview or manager the photo, video and contact image.

To access the **Media** page, proceed as follows:

Step 1 Press the Left/Right navigation key in the standby state to switch to the Main Menu.

Step 2 Click [**Media**].

Photo

To access the **Photo** page, proceed as follows:

Step 1 Access the **Media** page.

Step 2 Click [**Photo**].

Step 3 Click [**Play**], the phone will Automatic play the photo, you can press any key to exit.

Step 4 Click [**Manager**] enter into the manager page. You can preview, delete and enter into the USB device to import the photo.

To do the delete operation must have enough permission. Please consult your system administrator for more information about permission.

Video

To access the **Video** page, proceed as follows:

Step 1 Access the **Media** page.

Step 2 Click [**Video**].

Step 3 Click [**Play**], the phone will Automatic play the video, you can press any key to exit.

Step 4 Click [**Manager**] enter into the manager page. You can preview, delete and enter into the USB device to import the video.

To do the delete operation must have enough permission. Please consult your system administrator for more information about permission.

Contact Picture

To access the **Contact Picture** page, proceed as follows:

Step 1 Access the **Media** page.

Step 2 Click [**Contact Picture**].

Step 3 Press the Up/Down navigation key to select a picture, and then the phone will display the picture on the right side.

Step 4 You can delete and enter into the USB device to import the picture.

To do the delete operation you must have enough permission. Please consult your system administrator for more information about permission.

User can also upload the Contact Picture through auto prevision. For information Please consult your system administrator.

Application

The phone supports multiple external equipment, such as: IP Camera and Door Phone。

IP Camera

When IP Camera is configured on the phone, click the [**IPCamera X**], the phone will dial the phone number directly which you set, and then you can see the video from the IP camera.

If the ICON is gray, it means this IP camera is not set. Click this ICON the phone will turn to the configuration page. If the ICON is black, it means this IP camera is set, click this ICON, the phone will dial the phone number directly. If you want to change the configuration, press the ICON for 3 seconds, it will turn to the configuration page.

Figure 5-24 IP camera

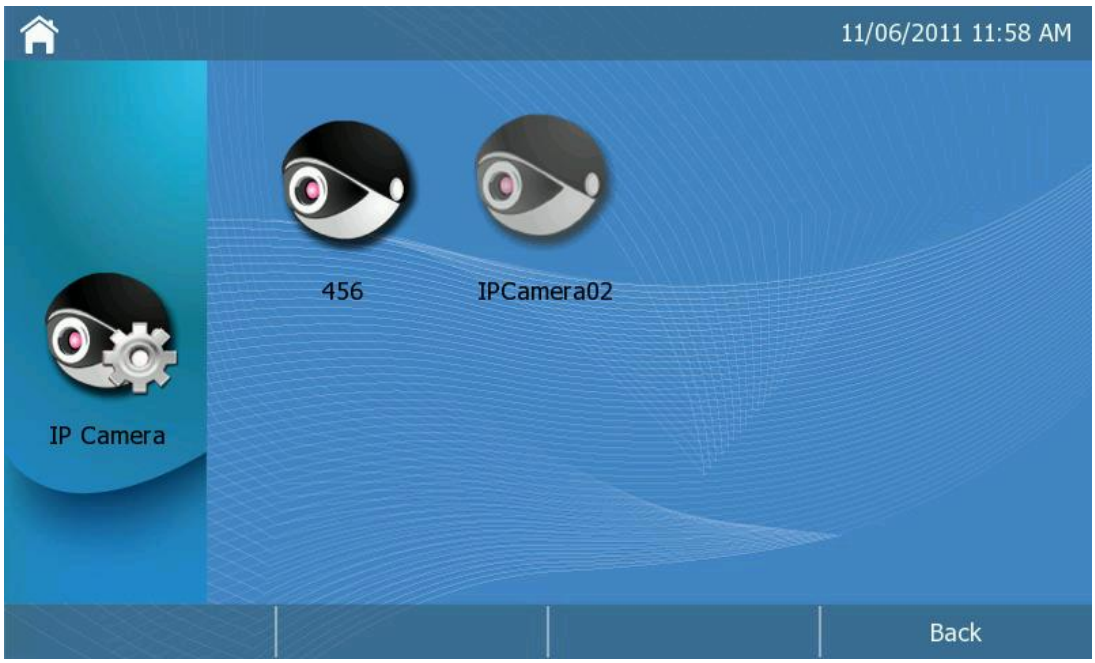


Table 5-6 Parameters about the IP Camera

Parameter	Description
Basic	The basic parameters Settings.
--Device Model	To select the device model
--Display Name	To set the display name which you want to display.
--Phone Number	To input the phone number of IP Camera. For more information you can consult your system administrator.
--Account	To set the applicative account.
Advance	The advanced parameters Settings.
--Access Pin	To input the PIN coresponding to the IP Camera. For more information you can consult your system administrator. If the IP Camera hasn't been set a PIN, user can see the video directly. If the IP Camera has been set a PIN, user must input the PIN at first.
--Fullscreen	Choose whether to play full screen.
--Not Send Audio	Choose whether to send the audio during the IP Camera conversion.
--Not Send Video	Choose whether to send the video during the IP Camera conversion.

Door Phone

The phone can control the door phone to open the door. When door phone dials the VP-2009(P) Elite, user can see the video during the conversation , also can press the <Open Door> to open the door.

Click [**Door Phone**] to enter the configuration page.

Figure 5-25 Door phone

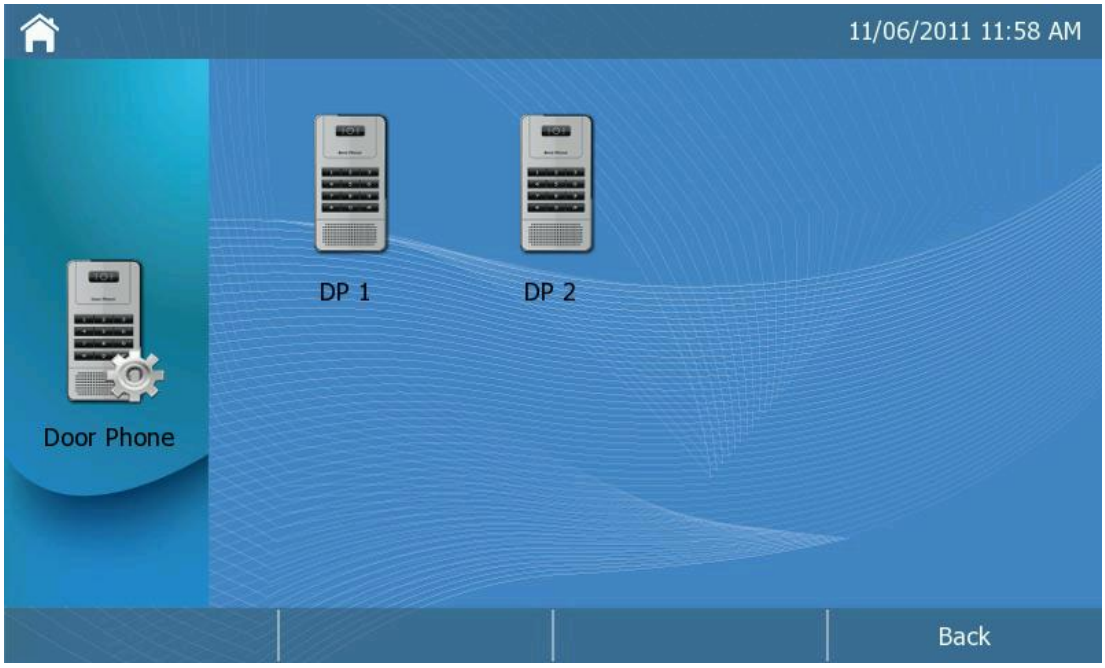


Table 5-7 Parameters about the Door Phone

Parameter	Description
Device Model	To select the device model
Display Name	To set the display name which you want to display.

Parameter	Description
Phone Number	To input the phone number of Door Phone. For more information you can consult your system administrator.
Unlock Pin	To set the password corresponding to the Door Phone. If the door phone has been set a password, when you want to open the door, you must input the password at first. For more information you can consult your system administrator.
Refuse New Incoming Call	Whether to reject the incoming calls during the door phone conversation.

6 Configuration Using the Web Browser

Establishing a Configuration Environment

Before accessing the Web configuration page, proceed as follows to establish a configuration environment and obtain VP-2009(P) Elite 's IP address.

- Prepare a PC that meets the following requirements:
    - Installs Ethernet adapters and supports TCP/IP.
    - Runs the Window 98 or later operating system.
    - Installs a Web browser such as Microsoft Internet Explorer 6.0 or later, Firefox, or Google Chrome.
    - Supports the resolution 800 x 600 or higher.
- Press the <OK> key in the standby state to obtain the IP address.
- Connect VP-2009(P) Elite and the PC to the same network where they can communicate with each other.
    - You can connect VP-2009(P) Elite and the PC to a Hub or a switch. If there is no Hub or switch, connect the PC to the PC port on VP-2009(P) Elite.

Accessing the Web Configuration Page

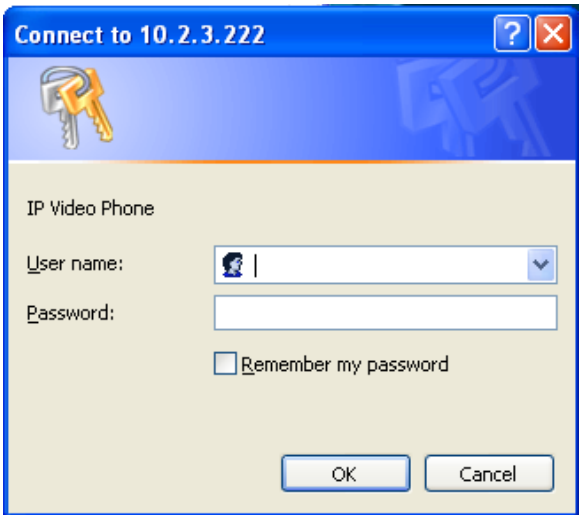
To access the Web configuration page, proceed as follows:

Step 1 Start the Web browser on the PC.

Step 2 Enter the VP-2009(P) Elite's IP address in the address box, and press Enter.

Step 3 Enter the user name and password (both **admin** by default) and click **OK**, as shown in Figure 6-1.

Figure 6-1 Accessing the Web configuration page



Configuring VP-2009(P) Elite

Tab Pages on the Web Configuration Page

Tab pages on the Web configuration page are described as follows:

- Status: displays information about VP-2009(P) Elite's network status and firmware hardware versions.

- Account: configures account registration or deregistration, voice, video parameters and some advanced features.Network: includes Internet Port (WAN) and advanced settings.
- Phone: includes basic settings (such as date and time) and feature settings.
- Contacts: configures information about local phonebook, remote phonebooks and LDAP.
- Upgrade: includes basic settings (such as rebooting VP-2009(P) Elite, resetting to factory, pcap feature and upgrade the firmware) and advance settings.
- Security: changes the password and uploads security certificate for the TLS/SSL client and server.

Status Tab Page

On the **Status** tab page, you can view VP-2009(P) Elite's network and version information, as shown in Figure 6-2.

Figure 6-2 Status tab page

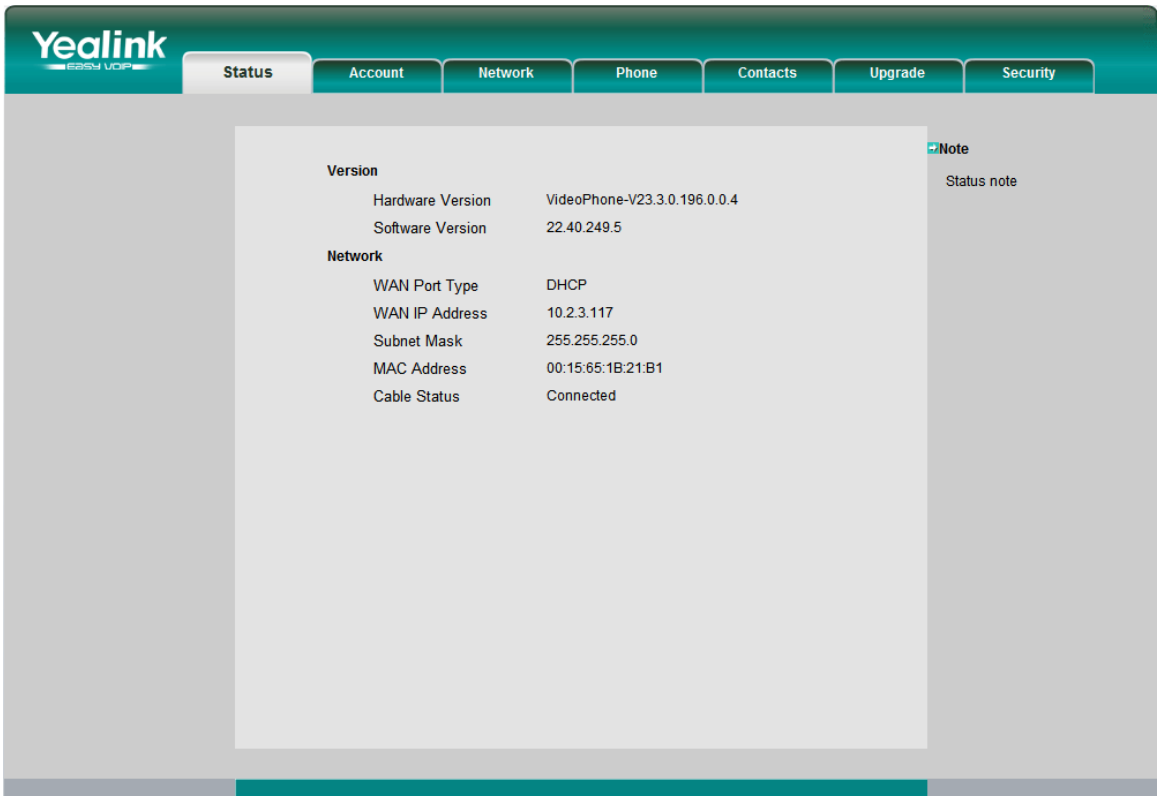


Table 6-1 Parameters on the Status tab page

Parameter	Description
Firmware Version	VP-2009(P) Elite firmware version number. It is used to check the upgrade result.
Hardware Version	VP-2009(P) Elite hardware version number.
WAN Port Type	Method of obtaining network information.
WAN IP Address	VP-2009(P) Elite's IP address.
Subnet Mask	VP-2009(P) Elite's subnet mask.
MAC Address	Unique hexadecimal ID of VP-2009(P) Elite. The MAC address is used when you configure VP-2009(P) Elite in batches.
Cable Status	Connection status of the WAN port.

Account Tab Page

Account

On the **Account** tab page, you can configure information for a VP-2009(P) Elite's account such as registration and deregistration, as shown in Figure 6-3:

Figure 6-3 Account tab page

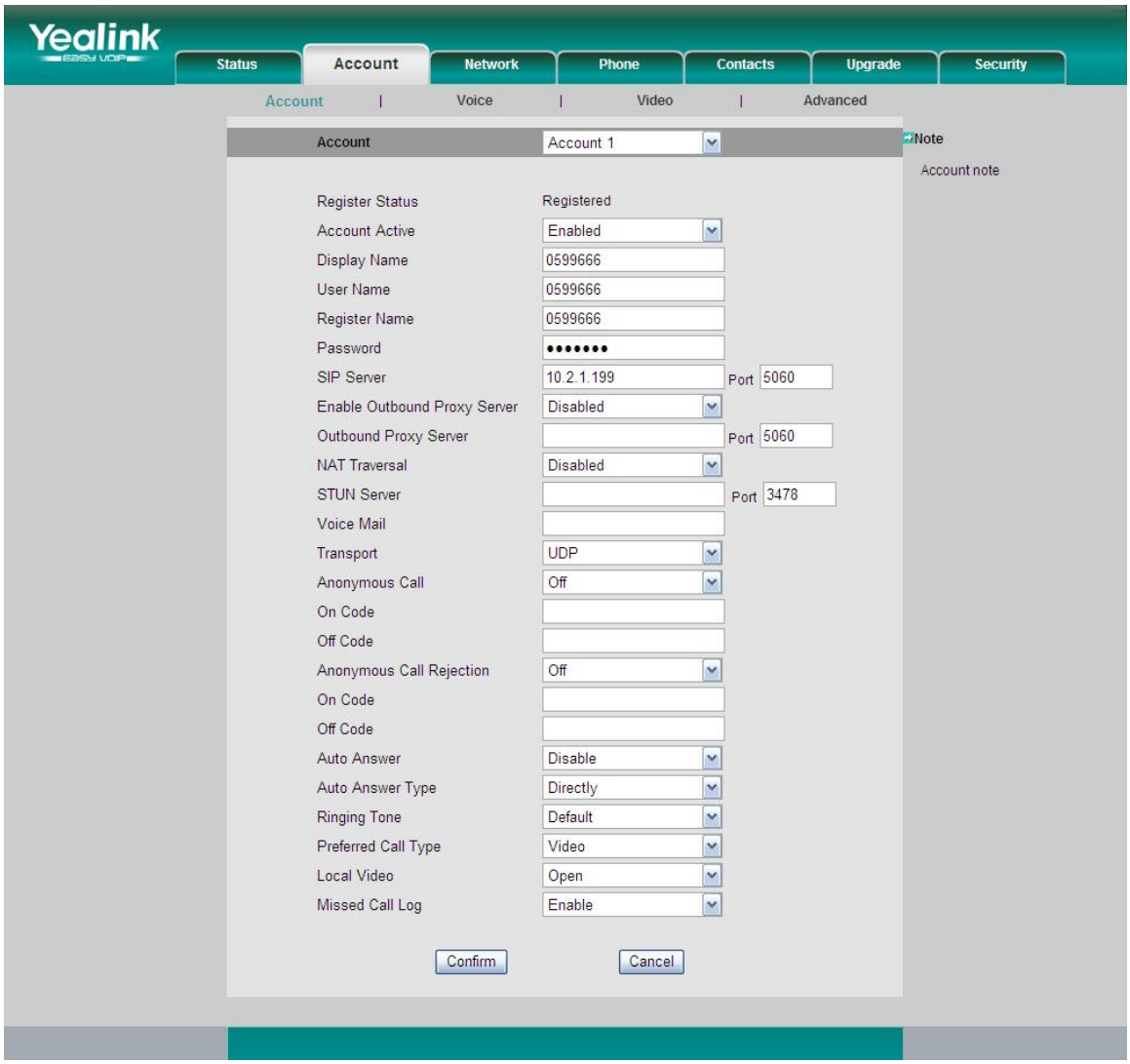


Table 6-2 Parameters on the Account tab page

Parameter	Description
Register Status	Status of the account that you select. The options are **Registered**, **Disabled**, **Unknown**, and **Register Fail**.
Account Active	Whether to activate the account. The default value is **Disabled**.
Display Name	Calling party name that is displayed on the LCD of the called party.
User Name	Account name that is specified by the VoIP service provider. The value is similar to a phone number or is a phone number. Only the administrator can set this parameter.
Register Name	Account name that is specified by the carrier. Only the administrator can set this parameter.

Parameter	Description
Password	Password corresponding to **Register Name**. The value is provided by the service provider.
SIP Server	SIP server's IP address or domain name, which is provided by the VoIP service provider.
Port	Port number of the SIP server. The default value of VP-2009(P) Elite is **5060**.
Enable Outbound Proxy Server	Whether to enable the outbound proxy server.
Outbound Proxy Server	IP address or domain name of the outbound proxy server. The outbound proxy server helps signals and media data pass the firewall or implement NAT traversal.
Port	Port number of the outbound proxy server. The default value is **5060**.
NAT Traversal	Whether to enable NAT traversal.
STUN Server	IP address or domain name of the STUN server.
Port	Port number of the STUN server. The default value is **3478**.
Voice Mail	Voice mailbox access code.
Transport	The options are **UDP**, **TCP**, **TLS**, and **DNS-SRV**.The values **UDP**, **TCP**, and **TLS** are SIP transmission methods, in which **TLS** indicates encrypted transmission. The value **DNS-SRV** indicates that an IP phone determines the transfer type (UDP, TCP, or TLS) based on the information in the DNS SRV record sent by the server.
Anonymous Call	Whether to enable anonymous call.
On Code	To input the on code for anonymous call.
Off Code	To input the off code for anonymous call.
Auto Answer	Whether to enable auto answer. If you select **Enabled**, incoming calls are automatically connected for the current account.
Auto Answer Type	Select the type about Auto Answer function in this field.
Ringing Tone	Ring tone of the current account.
Preferred Call Type	Select the preferred call type
Local Video	Set enable or disable the local video when user during the Video conversation.
Missed call log	Whether to record missed calls. If you select **Disabled**, VP-2009(P) Elite does not record calls that you miss.

Voice

Figure 6-4 Voice codecs page

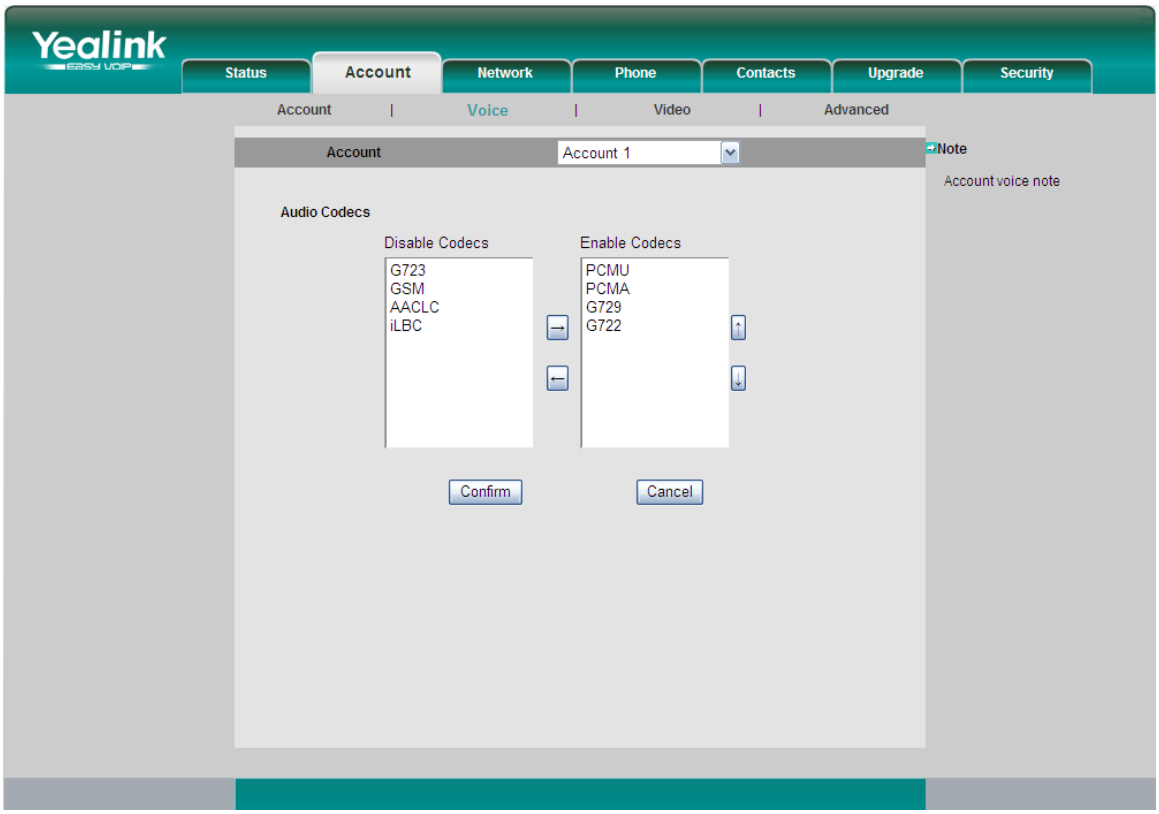


Table 6-3 Parameters on the Voice tab page

Parameter	Description
Disable codecs	Disabled voice coding types. VP-2009(P) Elite supports the following coding types: PCMU, PCMA, G.723, G.729, G.722, GSM, AACLC and iLBC.
Enable codecs	Enabled voice coding types. The types are listed in descending order of priority.

Video

Figure 6-5 Video codecs page

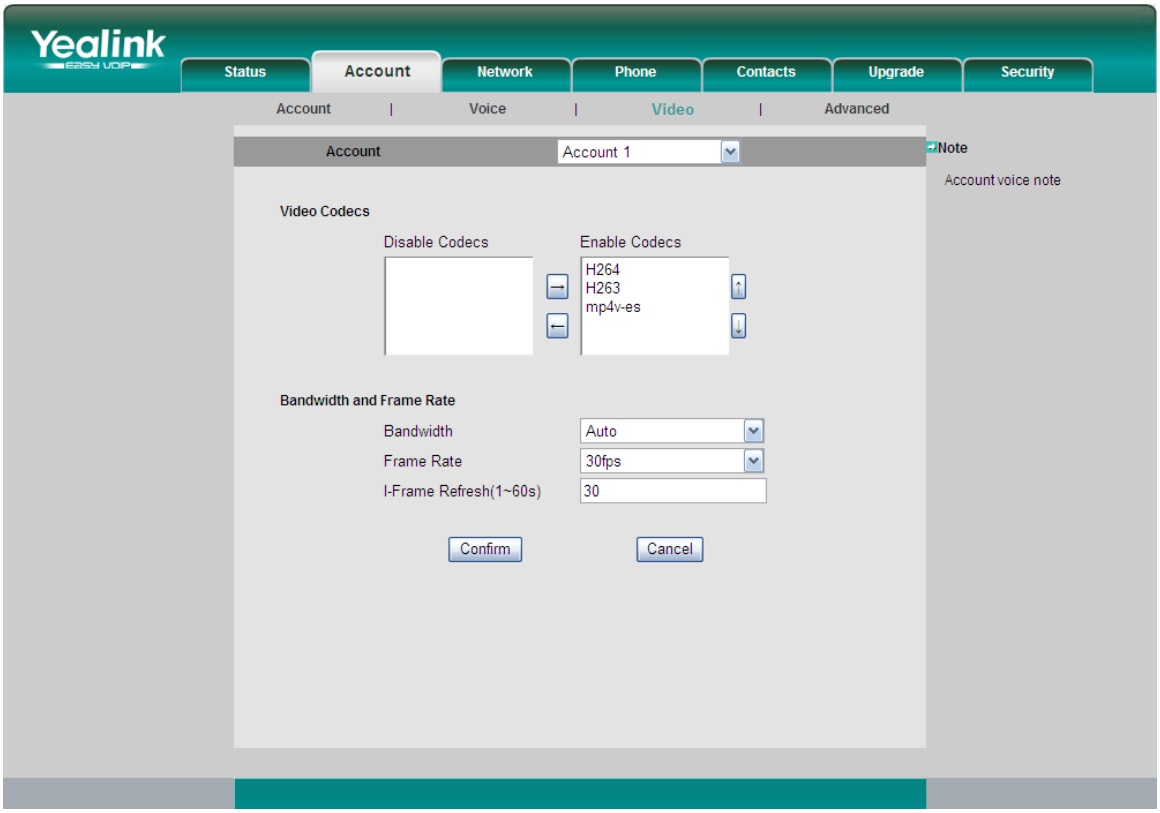


Table 6-4 Parameters on the Video tab page

Parameter	Description
Disable codecs	Disabled video coding types. VP-2009(P) Elite supports the following coding types: H264, H263 and mp4v-es.
Enable codecs	Enabled video coding types. The types are listed in descending order of priority.
Bandwidth	Select the bandwidth.
Frame Rate	Select the bandwidth. Frame Rate。
I-Frame Refresh (s)	Set the refresh time.

Advanced

Figure 6-6 Account advanced page

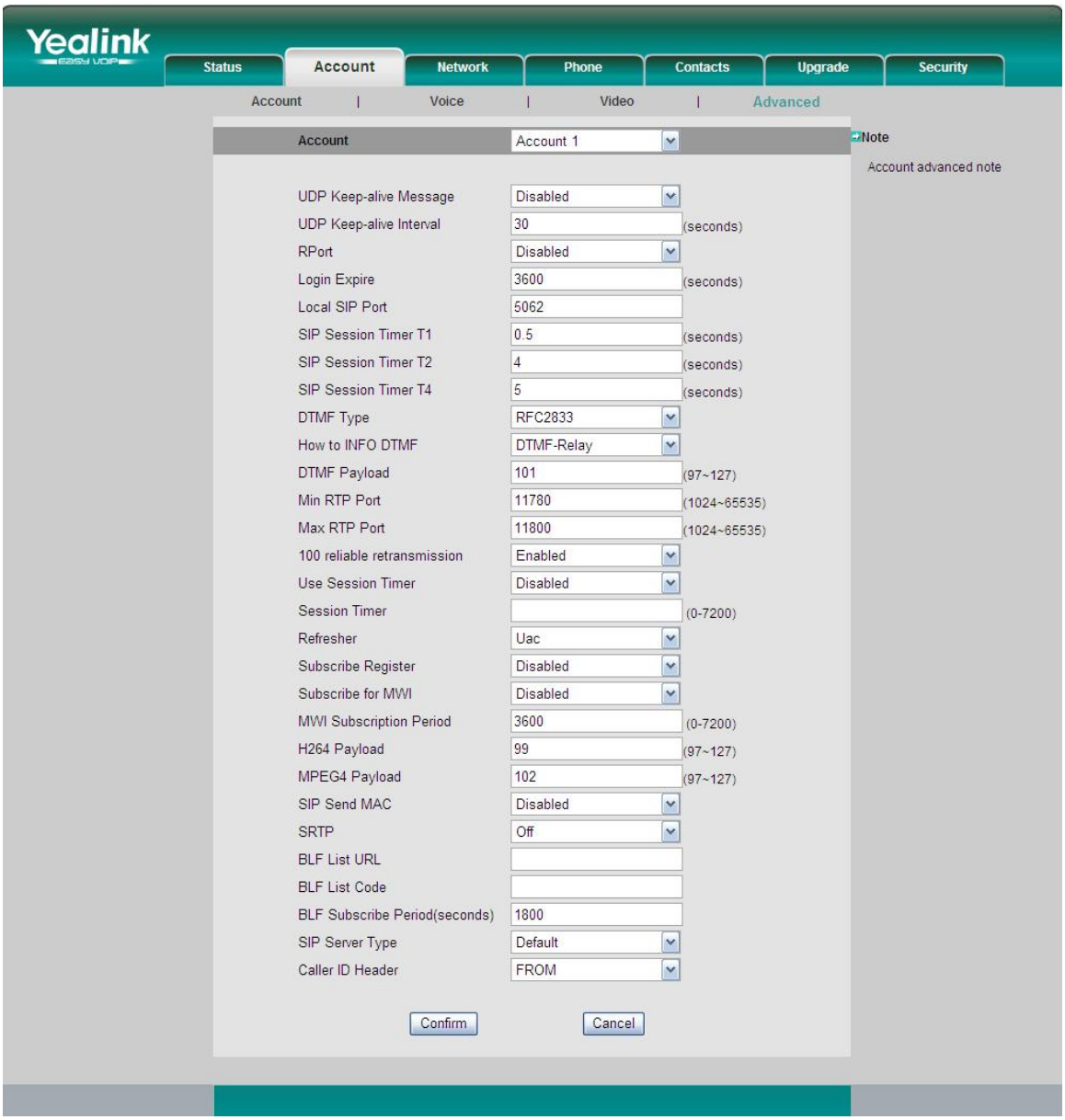


Table 6-5 Parameters on the Advanced tab page

Parameter	Description
UDP Keep-alive Message	Whether to send a UDP message at an interval to keep a port always available.
UDP Keep-alive Interval	Interval for sending UDP messages. For example, 30 seconds.
RPort	Port through which the server sends a response to VP-2009(P) Elite. Details about this parameter are specified in RFC 3581.
Login Expire	If a user does not perform any operations within the period specified by this parameter, logs the user out.Unit: second Default value: 3600
Local SIP Port	Port for the SIP server to communicate with VP-2009(P) Elite. Default value: 5060

Parameter	Description
SIP Session Timer T1	Round trip time (RTT) between the server and the client. If the network latency is long, set it to a greater value. Details about RTT are specified in RFC 3261. Default value: 0.5
SIP Session Timer T2	Interval between the INVITE response receiving and the non-INVITE request sending, in seconds. Details about this parameter are specified in RFC 3261. Default value: 4
SIP Session Timer T4	Duration for sending information between the client and the server. Details about this parameter are specified in RFC 3261. Default value: 5
DTMF Type	DTMF signal transmission type. The options are as follows: **INBAND**: DTMF signals are sent as voice signals. **RFC2833**: DTMF signals are transmitted based on Real-time Transport Protocol (RTP). The header in an RTP packet indicates transmission of DTMF signals and defines the DTMF signals. **SIP INFO**: DTMF signals are transmitted in SIP INFO messages. The main defect is that DTMF signals may not be transmitted at the same time with media packets because SIP control signaling and media packets are sent separately.
How to INFO DTMF	Method for using SIP INFO to transmit DTMF signals. The options are as follows: DTMF-Relay DTMF Telephone-Event
DTMF Payload	Payload for using RFC 2833 to transmit DTMF signals. Value range: 97 to 127 Default value: 101
Min RTP Port	Set the min RTP port.
Max RTP Port	Set the max RTP port.
100 reliable retransmission	Whether to enable the PRACK function to make the temporary SIP response (1*xx* signaling) more reliable. The PRACK function must be enabled for the PSTN network.
Use Session Timer	Whether to update sessions as scheduled. The IP phone periodically sends a re-INVITE request to hold a session. The server uses the re-INVITE request to monitor the session status. Details about this parameter are specified in RFC 4028.
Session Timer	Interval for updating sessions.
Refresher	Party who updates sessions. The value **Uac** indicates that the client updates sessions, and the value **Uas** indicates that the server updates sessions.
Subscribe Register	Whether to enable the subscription function for registration. This parameter is used to monitor account registration when the IP Multimedia Subsystem (IMS) system is involved.
Subscribe for MWI	Whether to subscribe to the MWI service. The value **Enabled** indicates that the IP phone periodically sends subscription information to the server to update the MWI status.
MWI Subscription Period	Validity period for the MWI service. Default value: 3600
H264 Payload	Validity period for the H264.
MPEG4 Payload	Validity period for the MPEG4.
SIP Send MAC	Whether to enable or disable the SIP registration packet include MAC address.

Parameter	Description
SRTP	Whether to enable or disable Secure Real-time Transport Protocol
BLF List URL	To input the BLF list server's URL
BLF List Code	To input the BLF list feature code.
BLF Subscribe Period(seconds)	Validity period for the BLF subscription time.
SIP Server Type	Select the SIP server type.
Caller ID Header	The options are **FROM**, **PAI, PAI-FROM, RPID-PAI-FROM, PAI-RPID-FROM and RPID-FROM**. **FROM**: The calling number displayed on the called phone is obtained from the FROM header. **PAI**: The calling number displayed on the called phone is obtained from the PAI header. **PAI-FROM**: The calling number displayed on the called phone is obtained from the PAI-FROM header. **RPID-PAI-FROM**: The calling number displayed on the called phone is obtained from the RPID-PAI-FROM header. **PAI-RPID-FROM**: The calling number displayed on the called phone is obtained from the PAI-RPID-FROM header. **RPID-FROM**: The calling number displayed on the called phone is obtained from the RPID-FROM header.

Network Tab Page

Internet Port (WAN)

Figure 6-7 Internet port

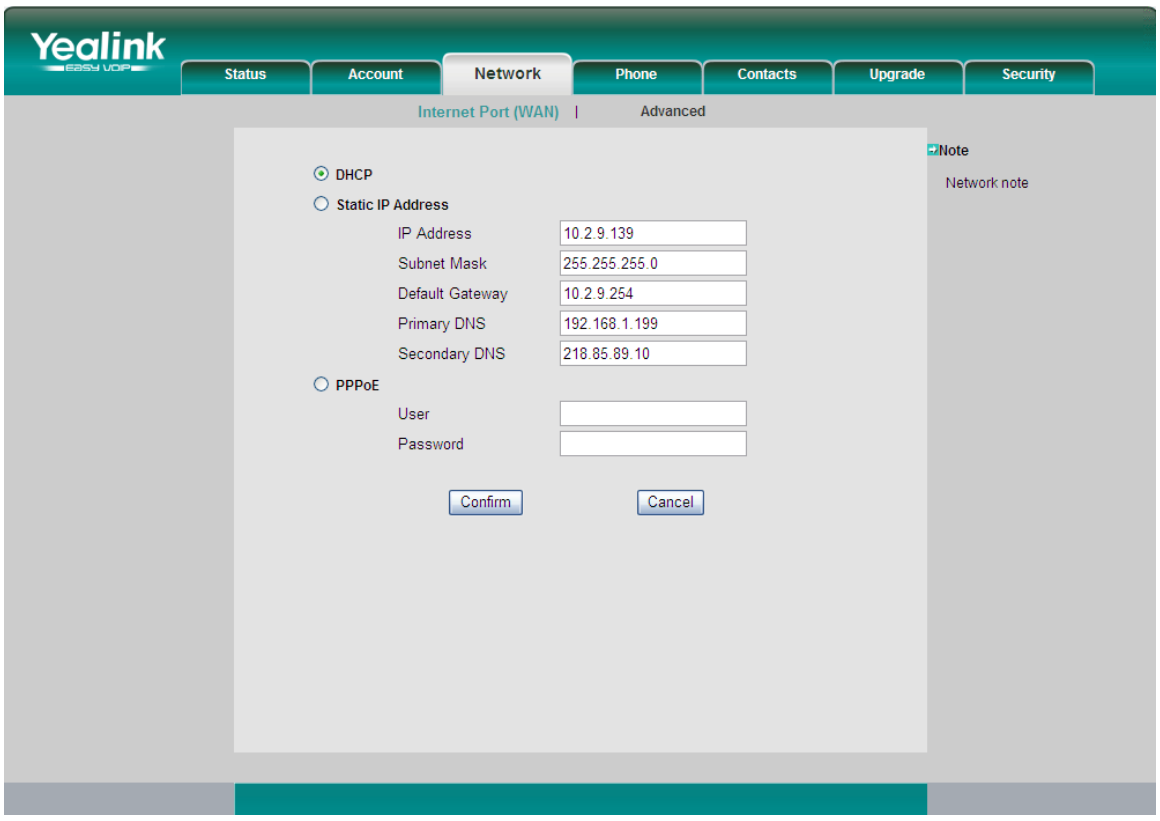


Table 6-6 Parameters on the Internet Port (WAN) tab page

Parameter	Description
DHCP	If you select the **DHCP** check box, VP-2009(P) Elite automatically attempts to connect to the DHCP server for obtaining resources such as the IP address, subnet mask, gateway, and DNS server information.
Static IP Address	If you click the **Static IP address** option button, you must manually set network parameters including **IP Address**, **Subnet Mask**, **Default Gateway**, **Primary DNS**, and **Secondary DNS**. For details about these parameters, contact the network administrator.
--IP Address	VP-2009(P) Elite's IP address.
--Subnet Mask	VP-2009(P) Elite's subnet mask.
--Default Gateway	Default gateway of VP-2009(P) Elite.
--Primary DNS	IP address of the primary DNS server.
--Secondary DNS	IP address of the secondary DNS server.
PPPoE	If the xDSL modem is used, you can connect VP-2009(P) Elite to the network in PPPoE mode. For details about the user name and password, contact the network service provider.
--User	User name that is specified by the network service provider.
--Password	Password that is specified by the network service provider.

Advanced

Figure 6-8 Network advanced page

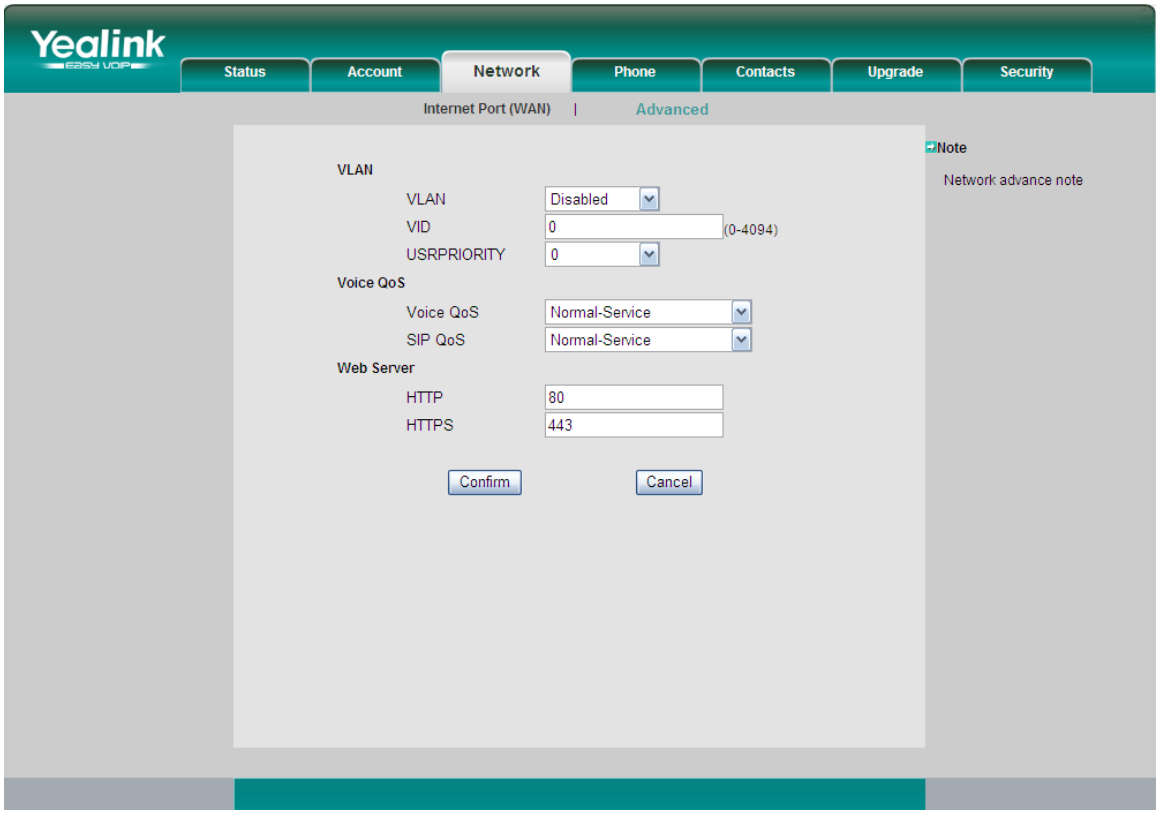


Table 6-7 Parameters on the Advanced tab page

Parameter	Description

--VLAN	The value Enabled indicates that the VLAN function is enabled for the Internet port.
--VID	ID of the VLAN where the IP phone belongs to. The network administrator divides the network where the switch resides into multiple VLANs. Each VLAN has a unique ID.
--USRPRIORITY	VLAN priority for the Internet port. The value ranges from 0 to 7.
-- Voice QoS	Voice QoS. Value range: 0 to 63
-- SIP QoS	Signaling QoS. Value range: 0 to 63
-- HTTP	Port number used for using HTTP to access Web pages. Default value: 80
-- HTTPS	Port number used for using HTTPs to access Web pages. Default value: 443

Phone Tab Page

Preference

Figure 6-9 Preference page

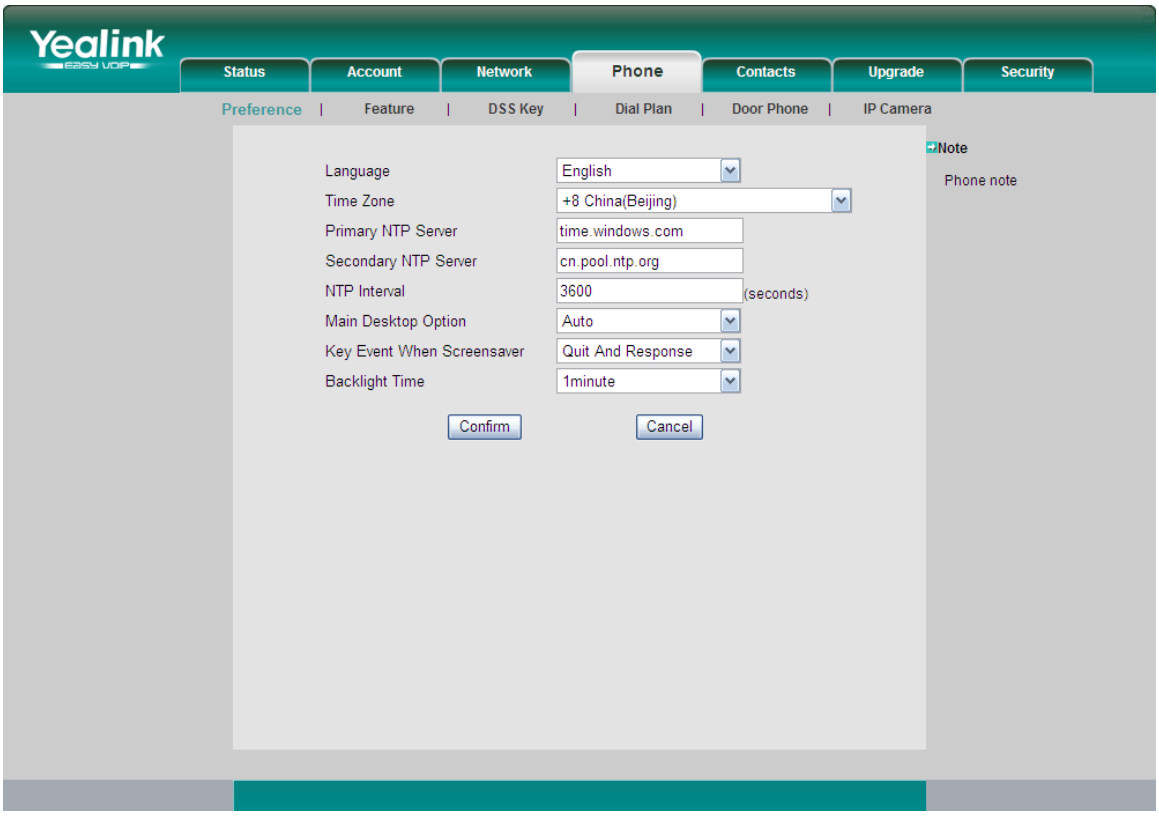


Table 6-8 Parameters on the Preference tab page

Parameter	Description
Language	Language displayed on Web pages.
Time Zone	Local time zone.
Primary NTP Server	IP address of the primary NTP server that provides the UTC time.

Secondary NTP Server	IP address of the secondary NTP server that provides the UTC time.
Update Interval	Interval at which VP-2009(P) Elite obtains the UTC time from the NTP server.
Main Desktop Option	Choose the idle status If you did not press any digit key on the dial-up status, the phone will turn to which one. (Include DSS Key Desktop、Wallpaper Desktop、 Menu Desktop and Picture Dial Desktop). If you choose Auto, the default is Wallpaper Desktop.
Key Event When Screensaver	Set the Key Event When Screensaver. • Select **Quit and response**, press any key to exit the screen saver and turn to idle status. But if you press the digit key, the phone will Response the digit key, and enter into the dial-up page. • Select **Quit only**, press any key to exit the screen saver.
Backlight Time	Duration when the backlight is displayed.

Features

Figure 6-10 Features page

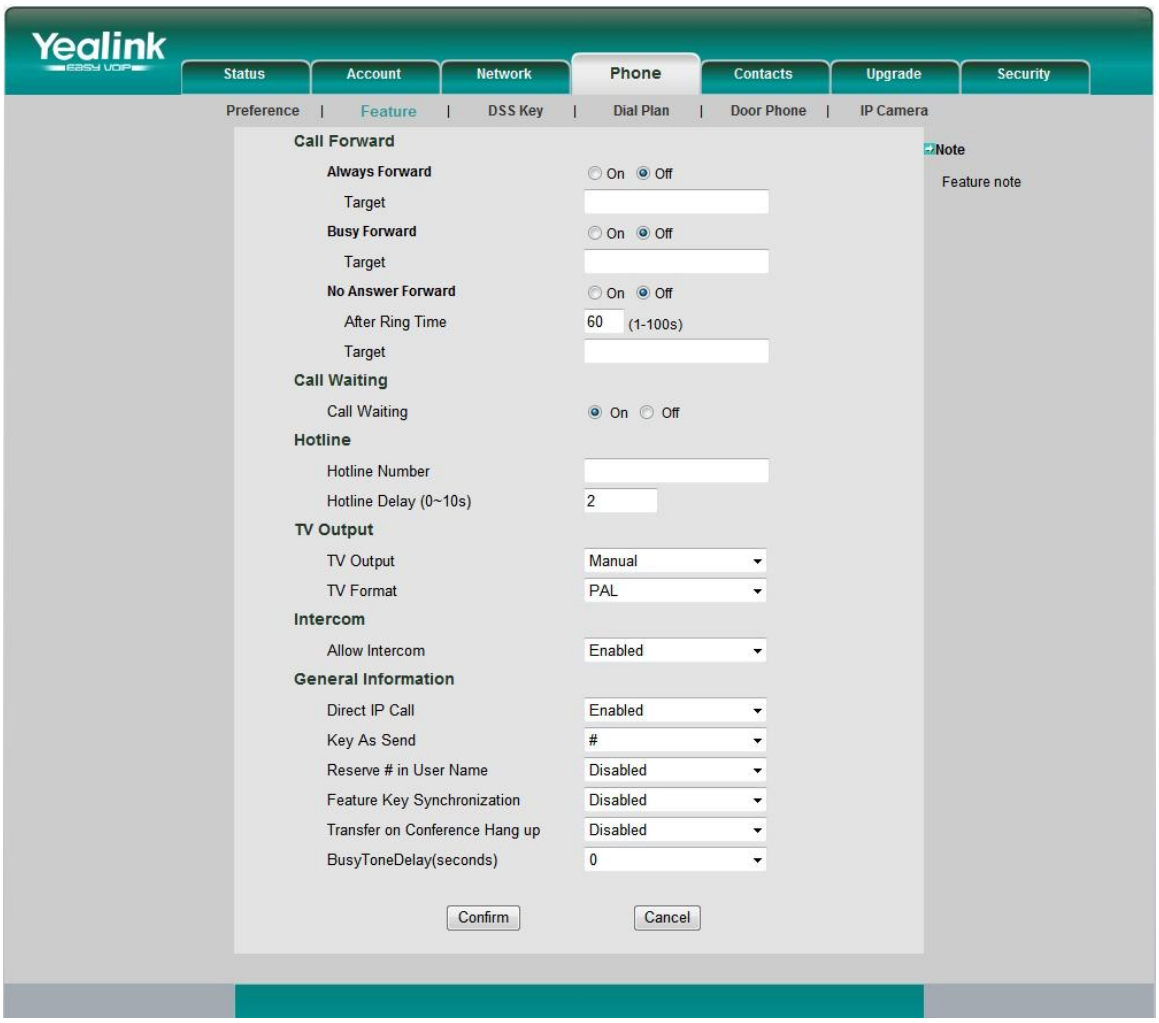


Table 6-9 Parameters on the Features tab page

Parameter	Description

Forward	Configures the call forward function. Call forward types include **Always**, **Busy**, and **No Answer**.
Always Forward	Whether to always enable the call forwarding function. If you select **On**, VP-2009(P) Elite forwards all incoming calls to a preset number.
Target	Number that incoming calls are forwarded to.
Busy Forward	Whether to enable the busy forwarding function. If you select **On**, VP-2009(P) Elite forwards incoming calls to the preset number when VP-2009(P) Elite is in a conversation and does not enable the call waiting function.
Target	Number that incoming calls are forwarded to.
No Answer Forward	Whether to enable the no answer forwarding function. If you select **On**, VP-2009(P) Elite forwards incoming calls to the preset number when they are not answered within the preset duration.
After Ring Time	Maximum no-answer duration to forward incoming calls.
Target	Number that incoming calls are forwarded to.
Call Waiting	Whether to enable the call waiting function.
Hotline Number	Hotline number.
Hotline Delay (0~10s)	Delay of making a call to the hotline number.
TV Output	Choose manual or auto to use this function.
TV Format	Set the TV format.
Allow Intercom	Whether to allow users to connect intercom calls.
Direct IP Call	Whether to enable or disable IP direct dial out.
Key As Send	Whether to enable the send key.
Reserve # in User Name	Whether the SIP trace include the # in the user name.
Feature Key Synchronization	Whether enable or disable DND&FWD Synchronization function.
Transfer on Conference Hang up	Whether to maintain the conversation between the other two parties when a party who creates the conference hangs up.
BusyToneDelay(seconds)	Set the duration of the busy tone.

DSS Key

DSS Keys enable you to quickly use a function. For example, after you assign the speed dial function to a DSS key, you can make a call to a preset number quickly.

Figure 6-11 DSS key

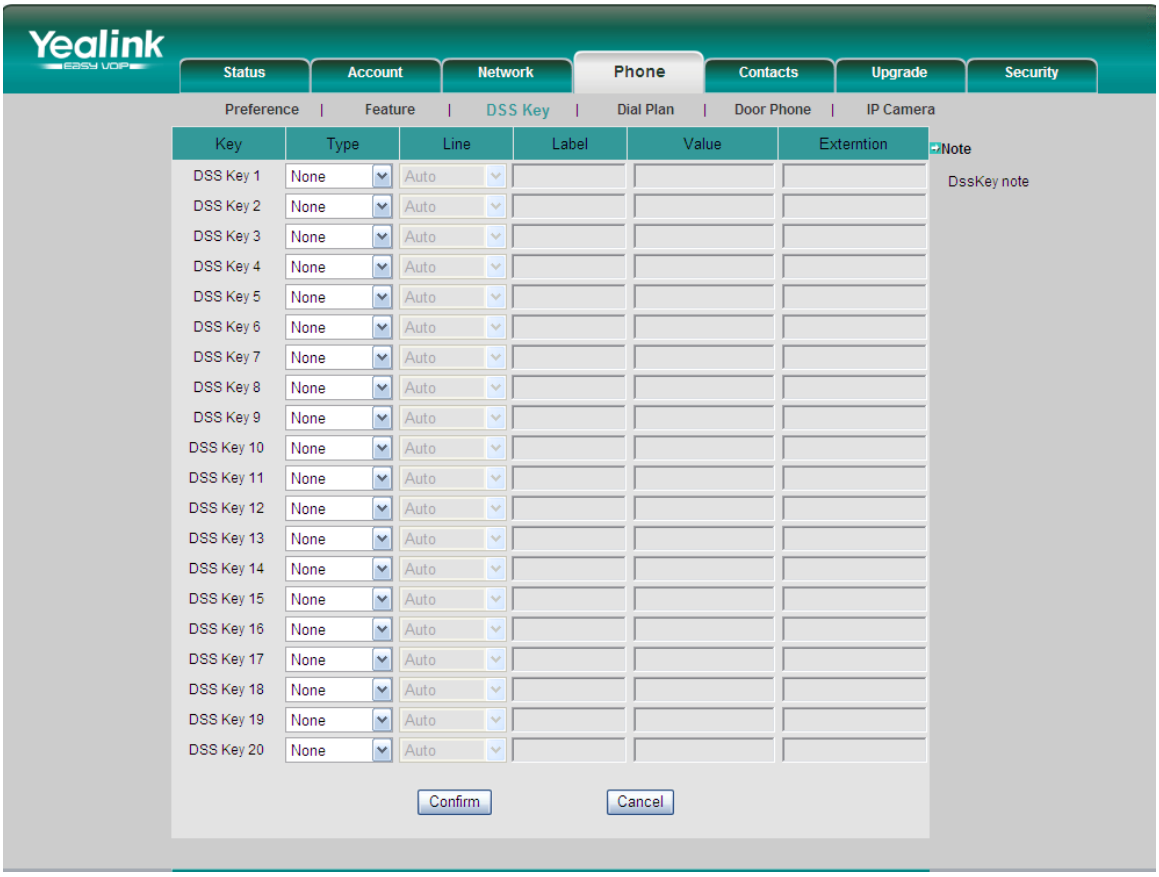


Table 6-10 Parameters on the DSS Key tab page

Parameter	Description
Key	Choose which DSS key to assign the function.
Type	Function that you assign to a memory key. There are 4 kinds. For more information about the function, please refer to Table 6-11.
Line	Account that you configure a function for.
Label	Self-defined function name, which is displayed next to the corresponding DSS key on VP-2009(P) Elite. Only the speed dial and BLF can input.
Value	Setting based on the functions that you assign. For example, if you assign the speed dial function to a memory key, enter the speed dial number in the **Value** text box.
Extension	Extension number. This parameter is available for the BLF function only.

Table 6-11 DSS Key Functional specification table

Type	Description	Line	Label	Value	Extension
None	Assigns no function.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Line	Functions as a line key.	Select **Auto** or **Line 1** to **Line 4.**	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.

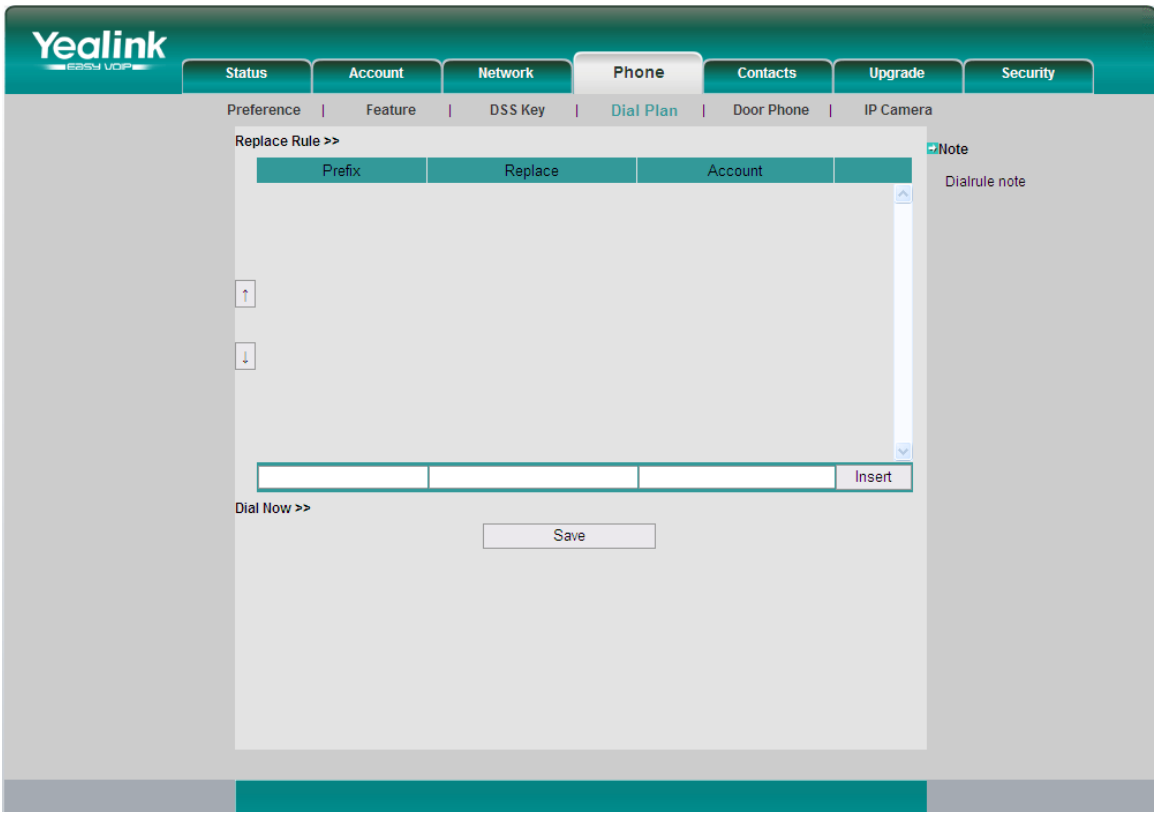
Speed Dial	Functions as the speed dial key.	Select **Auto** or **Line 1** to **Line 4**.	Self-defined function name	Enter the speed dial number.	This parameter is dimmed.
BLF	Listens on a number. When the BLF function is enabled, you can know the real-time status of the listened on number, such as idle, ringing, or talking.	Select **Auto** or **Line 1** to **Line 4**.	Self-defined function name	Enter the number to be listened on.	Enter a function code. Assume that the function code for call pickup is *83. Enter *83, and you can press this key to pick up calls for the preset number.
BLF List	Listens on a number in a group. When the BLF function is enabled, you can know the real-time status of the listened on number, such as idle, ringing, or talking. If you want use this function, you must configure the "BLF List URL" and "BLF List Code". For more information please consult your system administrator.	Select **Auto** or **Line 1** to **Line 4**.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.

Dial Plan

VP-2009(P) Elite supports the following rules:

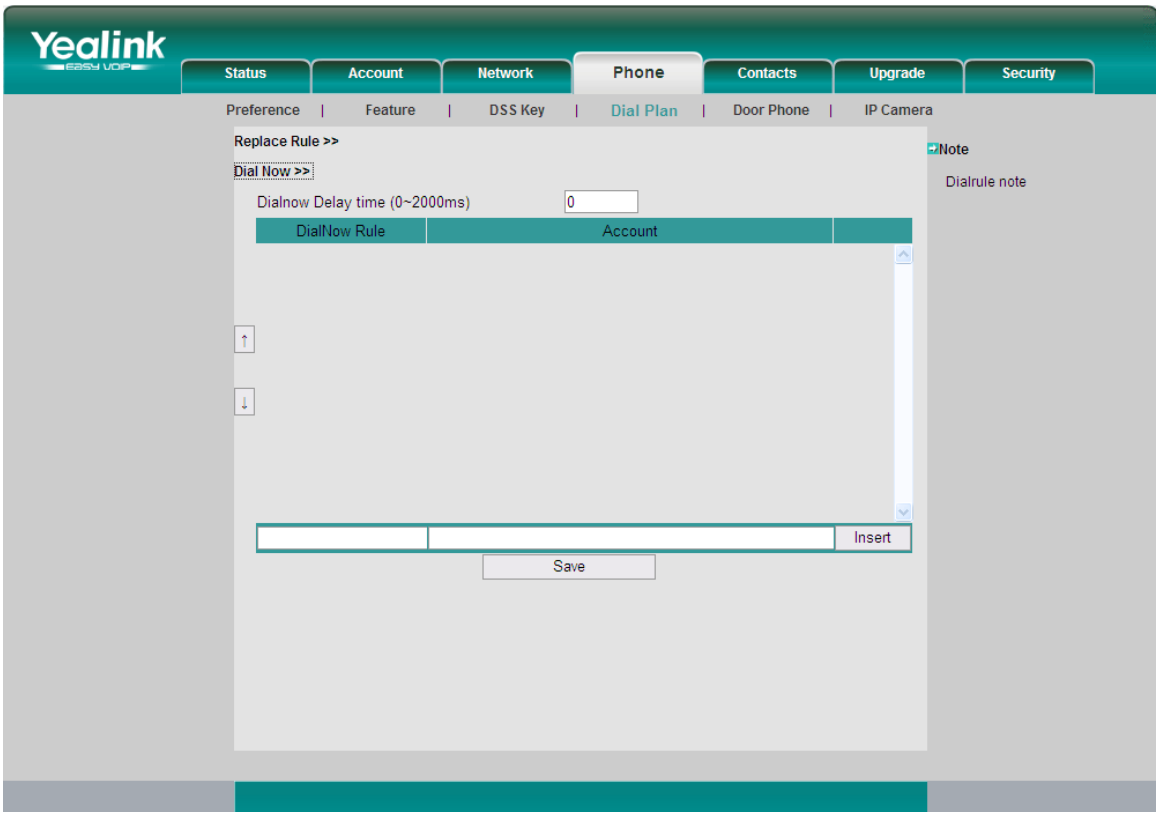
Replace rule: VP-2009(P) Elite allows you to replace a complex number with a simple number. For example, after you replace 0123 with 12, VP-2009(P) Elite makes a call to 0123 after you enter 12. The phone supports this rule of each distinct account.

Figure 6-12 Replace rule



Dial-now rule: After you enable this rule, VP-2009(P) Elite makes a call as soon as you enter the preset number. For example, if you set **Dial-now Rule** to **0147**, VP-2009(P) Elite makes a call to 0147 for the setting time after you enter 0147. The setting time is the value which you input in the "Dialnow Delay time (0~2000ms)" field. The phone supports this rule of each distinct account.

Figure 6-13 Dial-now rule



Door Phone

Figure 6-14 Door phone

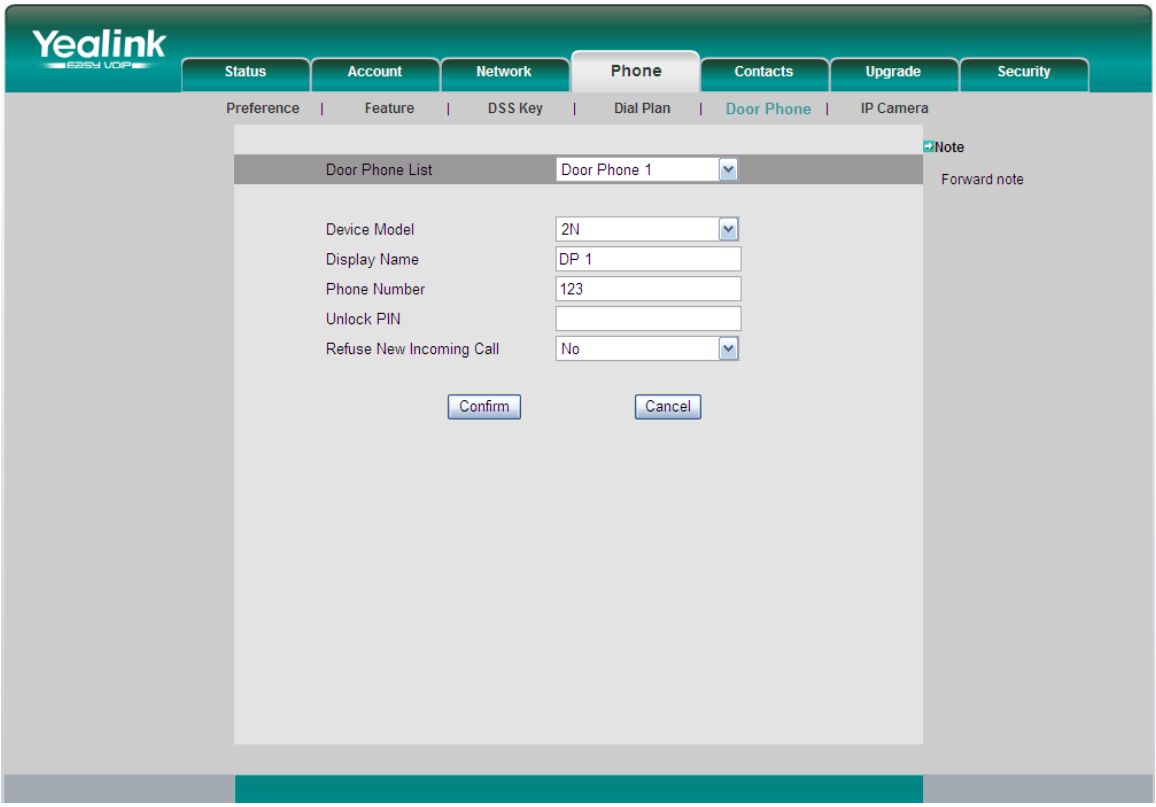


Table 6-12 Parameters on the Door Phone tab page

Parameter	Description
Door Phone List	Select a Door Phone which you want to configure in this list.
Device Model	Select the device model
Display Name	Set the display name which you want to display.
Phone Number	To input the phone number of Door Phone. For more information you can consult your system administrator.
Unlock PIN	Set the password depends on Door Phone. If the door phone has been set a password, when you want to open the door, you must input the password at first. For more information you can consult your system administrator.
Refuse New Incoming Call	Whether to reject the incoming calls during the door phone conversation.

IP Camera

Figure 6-15 IP camera

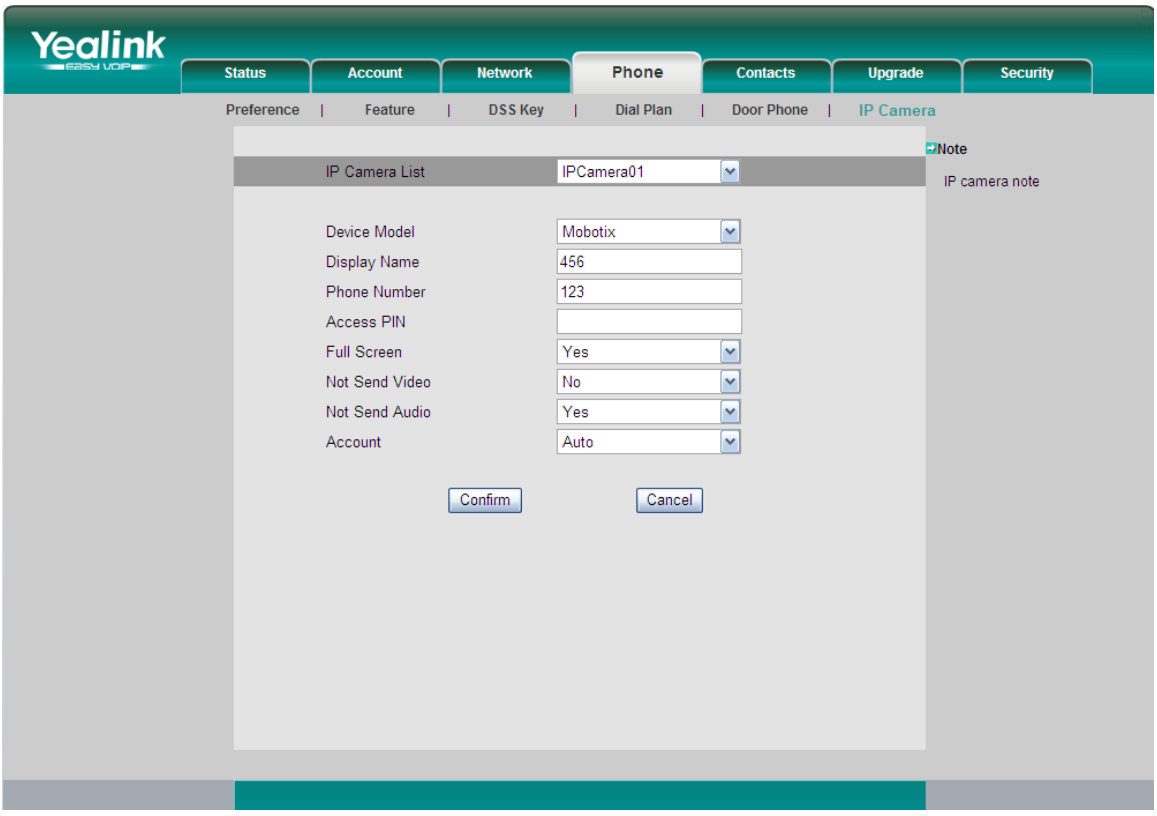


Table 6-13 Parameters on the IP Camera tab page

Parameter	Description
IP Camera List	Select a IP Camera which you want to configure in this list.
Device Model	Select the device model
Display Name	Set the display name which you want to display.
Phone Number	To input the phone number of IP Camera. For more information you can consult your system administrator.

Access PIN	To input the PIN depends on IP Camera. For more information you can consult your system administrator. If the IP Camera hasn't been set a PIN, user can see the video directly. If the phone has been set a PIN, user must input the PIN at first.
Full Screen	Choose whether to play full screen.
Not Send Video	Choose whether to send the audio during the IP Camera conversation.
Not Send Audio	Choose whether to send the video during the IP Camera conversation.
Account	To set the applicative account.

Contacts Tab Page

Local PhoneBook

In the **Local PhoneBook** area, you can add, modify, and delete contacts or contact groups, or move contacts to the blacklist.

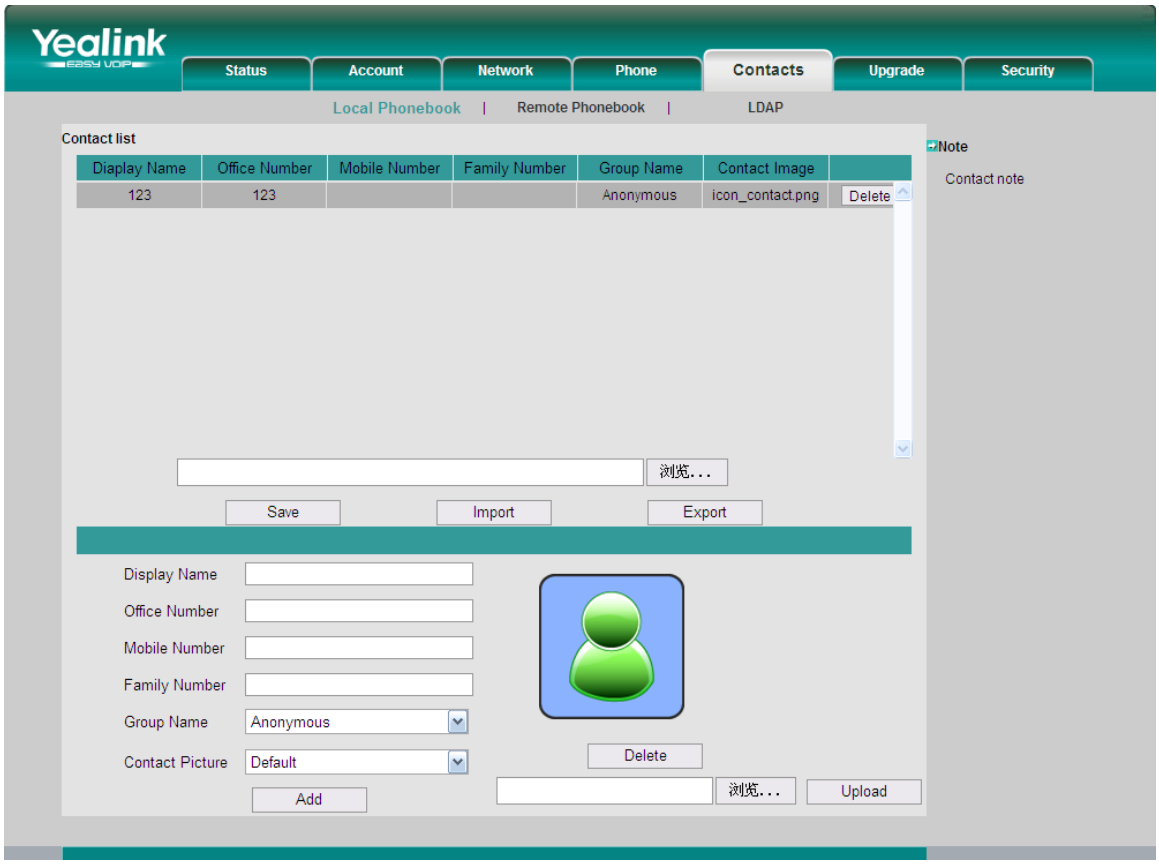
User can import and export the contact list.

User also can upload the contact picture via web interface, click the "Browser", and choose a picture from your local computer and then click the "Upload" to upload the contact picture.

The contact picture format can be jpg, jpeg or png, with a resolution of 126*126 and a size no larger than 1MB.

For details about the configure option, please consult your administrator

Figure 6-16 Local phone book

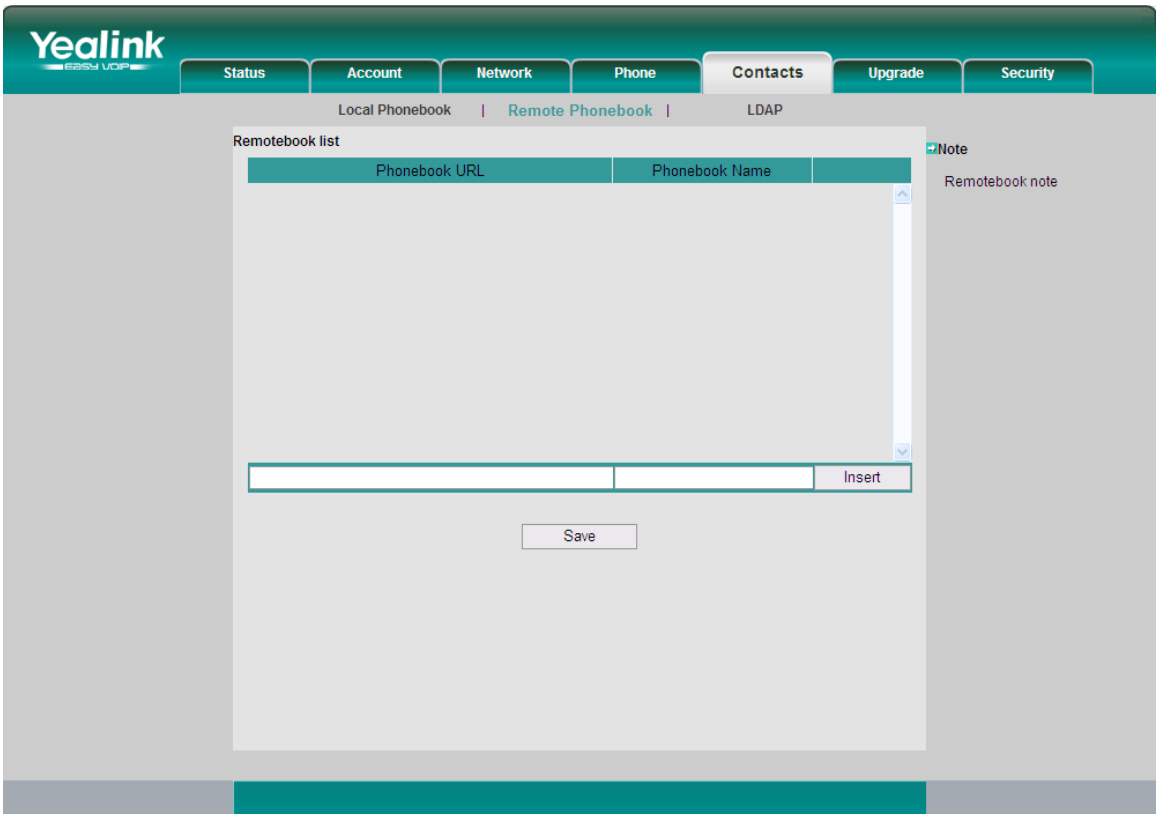


Remote PhoneBook

Each VP-2009(P) Elite is configured with a local address book. A public address book is required for all phones in an enterprise. After a remote address book is enabled, users can access the remote address book.

Set the URL and name for each remote address book, as shown in Figure 6-17

Figure 6-17 Remote PhoneBook



LDAP

The LDAP address book provides the following functions:

- Searches for contacts.

  After pressing the DSS key assigned with the LDAP function and entering a number or letter on the page that is displayed, VP-2009(P) Elite will search the LDAP server for contacts based on certain rules and display search results on the screen. You can select a contact and make a call.

- Searches for caller names.

  After receiving an incoming call, VP-2009(P) Elite searches the local address book for the caller name. If the caller name is not in the local address book, VP-2009(P) Elite searches the LDAP server for the caller name and displays it on the phone screen. This function is available only after **LDAP Lookup For Incoming Call** is set to **Enabled**.

- Searches for numbers

  Every time you enter a number or a character on the dial page, VP-2009(P) Elite searches for appropriate contacts. If a contact is found, the contact name is displayed on the phone screen. This function is available only after **LDAP Lookup For PreDial/Dial** is set to **Enabled**.

You can assign the LDAP function to a DSS key. For details, see DSS Key.

For details about the configure option, please consult your administrator

Figure 6-18 LDAP page

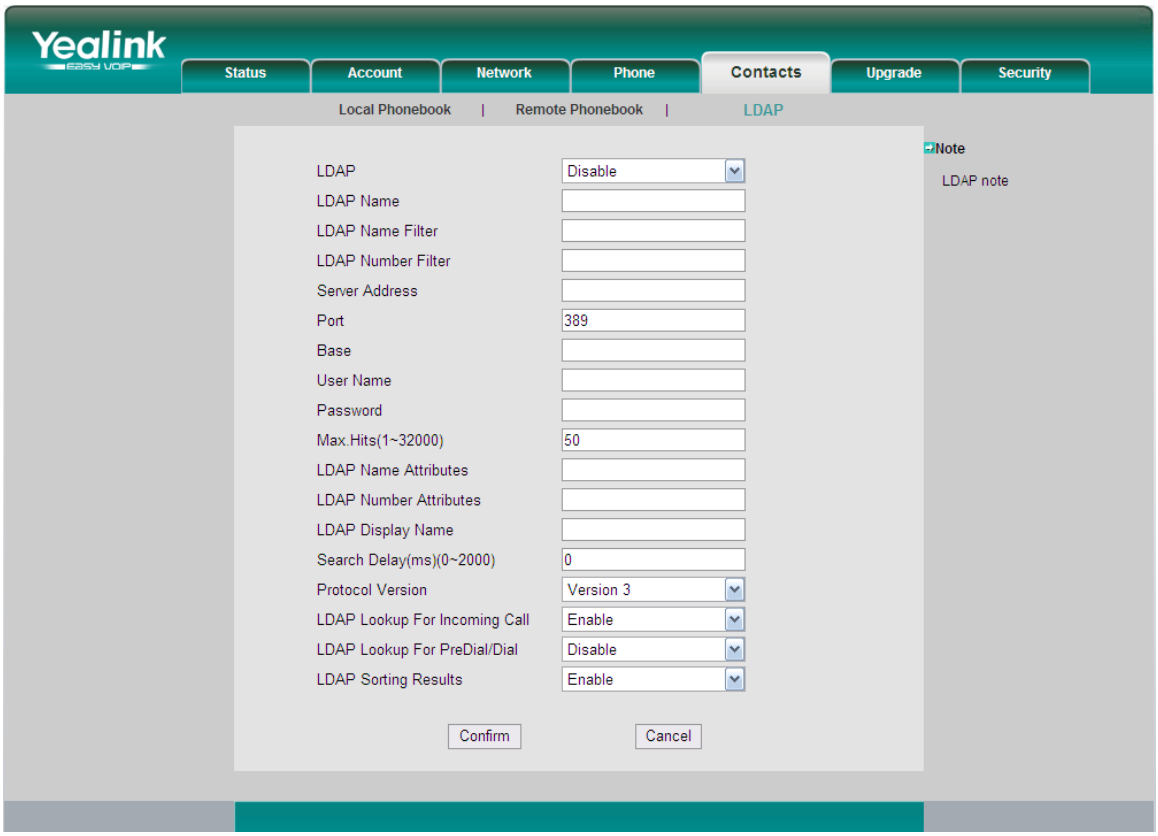


Table 6-14 Parameters on the LDAP tab page

Parameter	Description
LDAP	Whether to enable or disable LDAP.
LDAP Name	To input the LDAP name.
LDAP Name Filter	Name filter. After you enter a name, the IP phone uses the name filter to search the LDAP server for the contact. The settings for the name filter must be based on RFC 2254. The entered names will replace % in the name filter. Examples are as follows: • (|(cn=%)(sn=%)) The LDAP server sends the IP phone the records with **cn** or **sn** starting with the characters dialed by a user. • (!(cn=%)) The LDAP server does not send the IP phone the records with **cn** or **sn** starting with the characters dialed by a user.
LDAP Number Filter	Number filter. After you enter a number, the IP phone uses the number filter to search the LDAP server for the contact. The settings for the number filter must be based on RFC 2254. The entered numbers will replace % in the number filter. Examples are as follows: • (|(telephoneNumber=%)(Mobile=%)(ipPhone=%)) The LDAP server sends the IP phone the records with **telephoneNumber**, **Mobile**, or **ipPhone** starting with the characters dialed by a user. • (&(telephoneNumber=%)(sn=%)) The LDAP server does not send the IP phone the records with **telephoneNumber** or **sn** starting with the characters dialed by a user.

Server Address	IP address or domain name of the LDAP server. Examples are as follows: 192.168.1.100 lday.company.com
Port	Port number of the LDAP server. Default value: 389
Base	Root directory that the IP phone searches. For example, if the value is **dc=Redmond, dc=wa**, the root directory is **wa\Redmond**.
User Name	User name for logging in to the LDAP server. The user name is set by the LDAP server administrator. If the LDAP server allows anonymous visitors to access, leave the parameter blank; otherwise, set **UserName** and **Password** to the values set by the LDAP server administrator.
Password	Password for logging in to the LDAP server. The password is set by the LDAP server administrator.
Max.Hits(1~32000)	Maximum number of records in the search result. If the number of records found in the LDAP server is larger than the setting, the server sends records (total number: **Max.Hits**) to the IP phone. The server sends all records in the search result to the IP phone if this parameter is left blank. The factory setting is **50**. **NOTE** If excessive contact records are found, the search speed is slow. Set the parameter based on the network bandwidth.
LDAP Name Attributes	LDAP name attributes. The search result that the LDAP server sends to the IP phone must contain these name attributes. Examples are as follows: • cn sn displayName The search result that the LDAP server sends to the IP phone must contain the **cn**, **sn**, and **displayName** attributes. • givenName The search result that the LDAP server sends to the IP phone must contain the **givenName** attribute. • vorName nachName The search result that the LDAP server sends to the IP phone must contain the **vorName** and **nachName** attributes.
LDAP Number Attributes	LDAP number attributes. The search result that the LDAP server sends to the IP phone must contain these number attributes. Examples are as follows: • Mobile telephoneNumber ipPhone The search result that the LDAP server sends to the IP phone must contain the **Mobile**, **telephoneNumber**, and **ipPhone** attributes. • Home Private Office The search result that the LDAP server sends to the IP phone must contain the **Home**, **Private**, and **Office** attributes.
LDAP Display Name	Attributes whose information is displayed on the IP phone's LCD. Example: %cn %sn The example indicates that the values of **cn** and **sn** are displayed on the IP phone's LCD.
Search Delay(ms)(0~2000	Search delay period. A delay period later than the search operation, the IP phone displays the search results on the LCD. Unit: millisecond

Protocol Version	Protocol version. The options are **Version2** and **Version3**. The protocol version selected on the IP phone must be the same as the parameter setting.
LDAP Lookup For Incoming Call	The value **Enabled** indicates that the IP phone searches the LDAP server for the calling number and displays the calling party's name on the LCD. The value **Disabled** indicates that the IP phone does not search the LDAP server for the calling number.
LDAP Lookup For PreDial/Dial	The value **Enabled** indicates that the IP phone sorts records that are found by display name (or by number if only numbers are contained in the search result). The value **Disabled** indicates that the IP phone does not sort records that are found.
LDAP Sorting Results	The value **Enabled** indicates that the IP phone searches the LDAP server for the characters that a user dials.

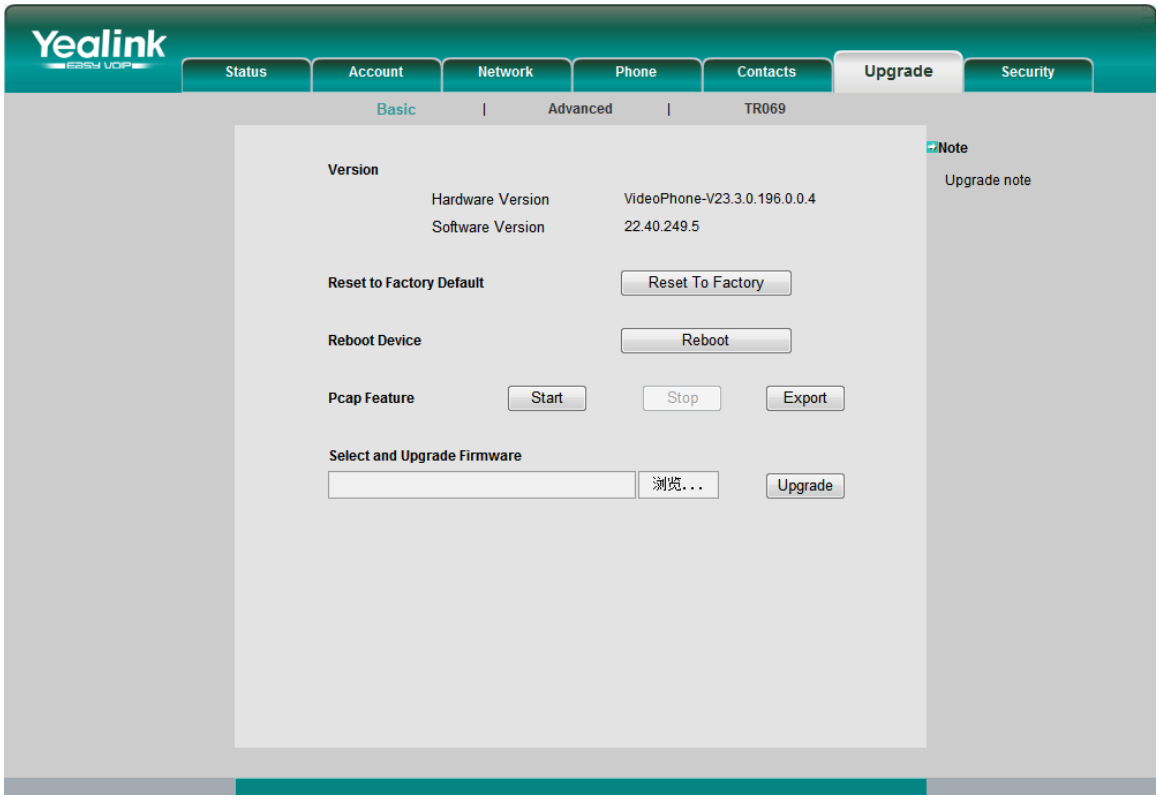
Upgrade Tab Page

Basic setting

On the **Basic** tab page, you can restart VP-2009(P) Elite, reset the VP-2009(P) Elite to factory and upgrade etc.

- To reset VP-2009(P) Elite to the factory settings, click the **Reset To Factory** and click **OK** in the confirm dialog box that is displayed
- To restart VP-2009(P) Elite, click **Reboot** and click **OK** in the confirm dialog box that is displayed.
- Click **Start** to start to capture a trace, click **Stop** to stop the operation, and then click **Export** the SIP trace.
- To upgrade VP-2009(P) Elite, click **Browser** to select a firmware, and then click **Upgrade**.

Figure 6-19 Upgrade basic page



Advanced setting

On the **Advanced** tab page, you can configure the auto provision function, and export/import configure file and export the system log.

Figure 6-20 Upgrade advanced page

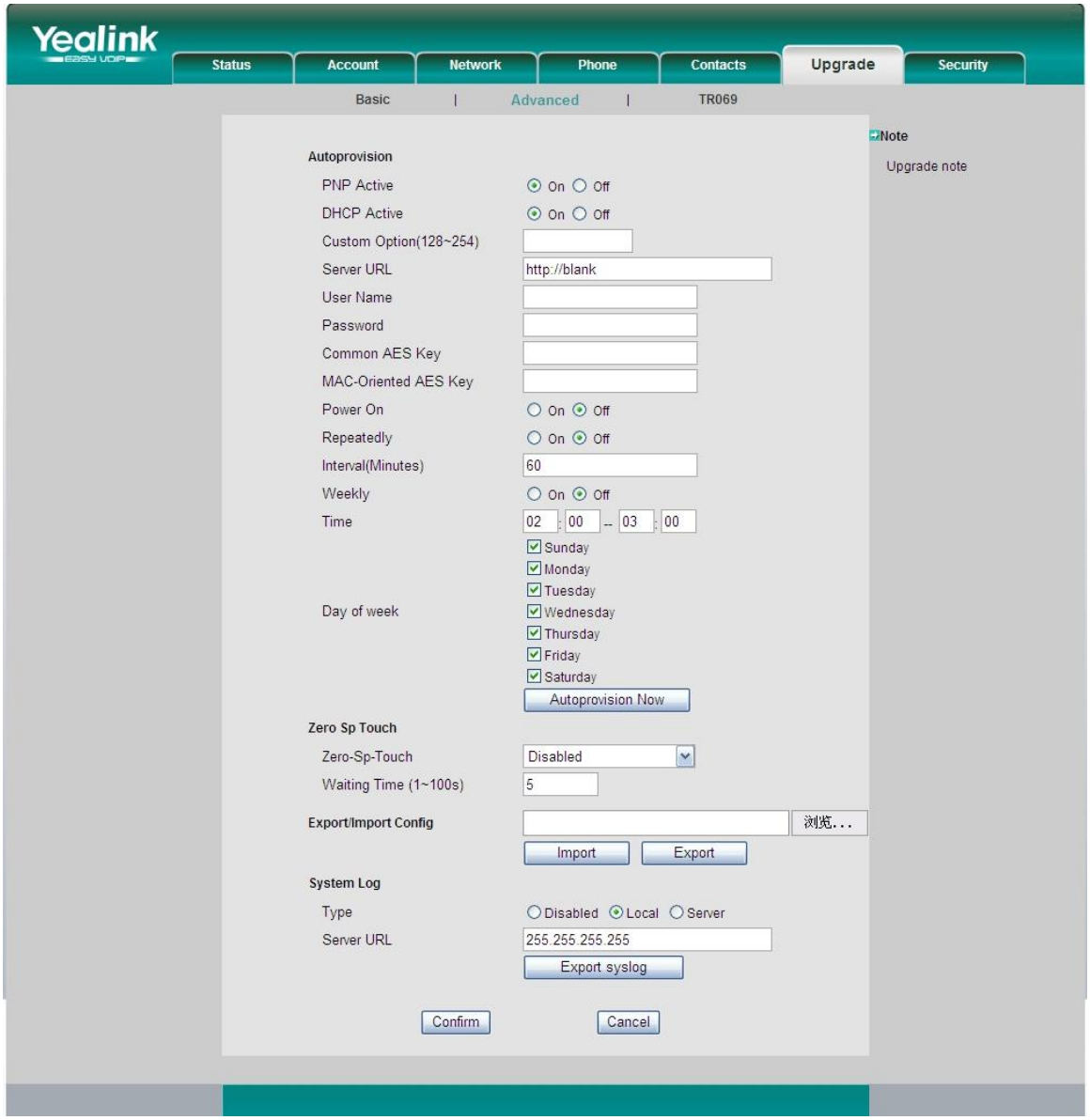


Table 6-15 Parameters on the Advanced tab page

Parameter	Description
PNP Active	Whether to enable or disable PNP. PNP(Plug and Play) provides a proprietary method to enable "Auto Provisioning".
DHCP Active	Whether to enable or disable DHCP.
Custom Option(128~254)	A valid Custom Option is from 128 to 254. The Custom Option Type must be in accordance with the one defined in the DHCP server.
Server URL	The auto provision's URL.
User Name	To input the server's user name.
Password	To input the server's password.
Common AES Key	The Common AES Key is for decrypting the Common CFG file。
MAC-Oriented AES Key	The MAC-Oriented AES Key is for decrypting the MAC-Oriented CFG file.

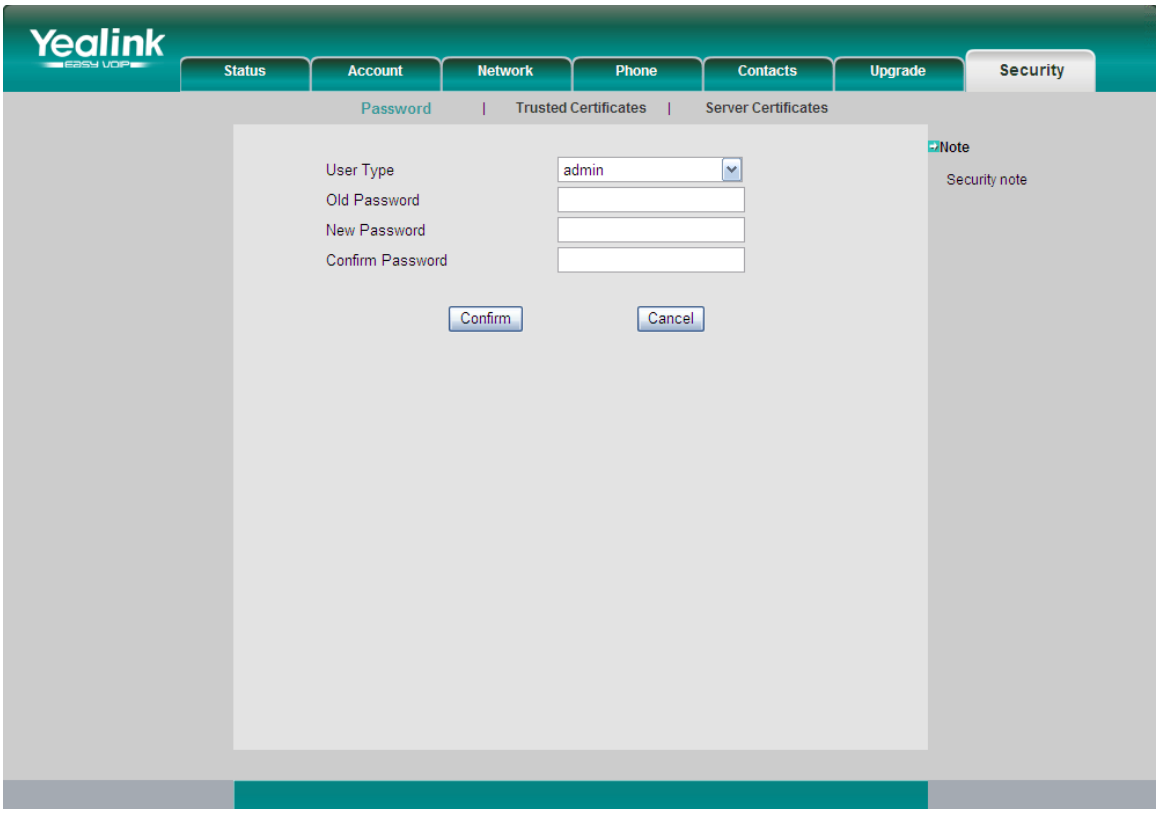
Power On	Whether to enable or disable auto provision once the phone is power on.
Repeatedly	Whether to enable or disable auto provision with the interval configured.
Interval(Minutes)	Set the interval time.
Weekly	Whether to enable or disable auto provision in the configured period.
Time	Configure the period.
Day of week	Select the day in the week.
Autoprovision Now	Whether to upgrade at once.
Zero-Sp-Touch	Whether to enable or disable Zero-Sp-Touch function.
Waiting Time (1~100s)	Delay of upgrade to the zero-sp-touch.
Export/Import Config	Export or import the configure file.
Type	Select a type which you want to export the system log.
Server URL	To input the server's IP address.

Security Tab Page

Password

You can change a password in the **Password** area. To change a password, you need to enter the old password once and the new password twice.

Figure 6-21 Password page



Trusted Certificates

To upload a trusted certificate, proceed as follows:

Step 1 Click **Browse** in the **Trusted Certificates** area and select a trusted certificate in the dialog box that is displayed.

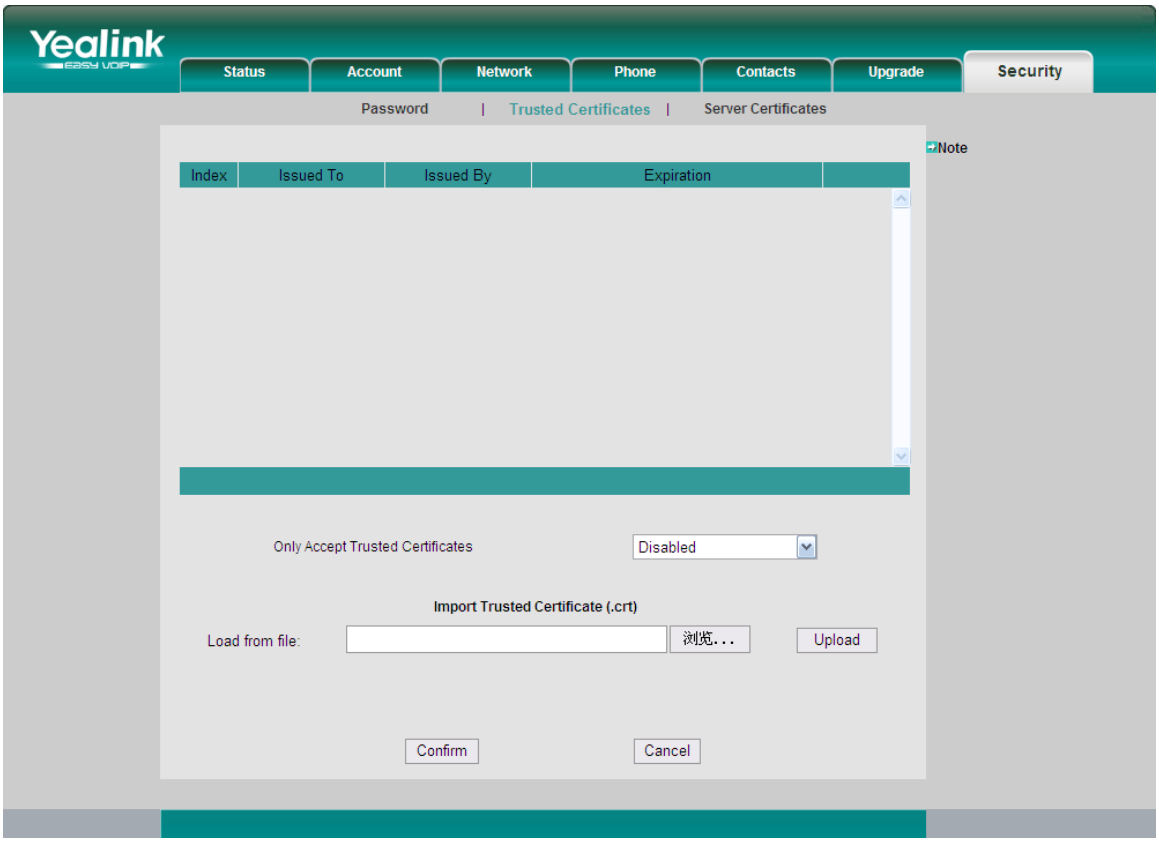
Step 2 Click **Upload**.

Step 3 Choose enable or disable this function in the "**Only Accept Trusted Certificates**".

If **Enabled** is selected, the imported root certification is used to authenticate the signature in the server certificate. If the authentication fails, the IP phone stops communicating with the server.

If **Disabled** is selected, the IP phone always communicates with the server even if the trusted certificate does not exist or is incorrect.

Figure 6-22 Trusted certificates



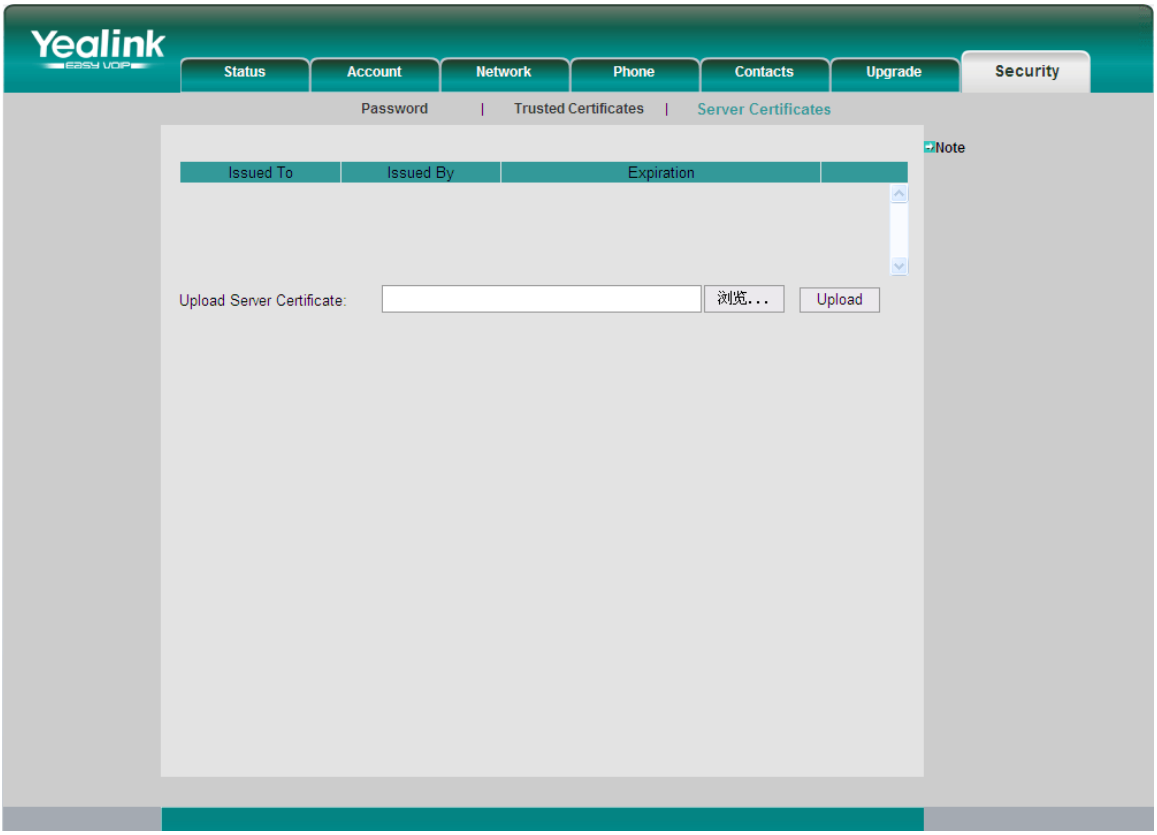
Server Certificates

To upload a server certificate, proceed as follows:

Step 1 Click **Browse** in the **Server Certificates** area and select a server certificate in the dialog box that is displayed.

Step 2 Click **Upload**.

Figure 6-23 Server certificates



Saving Settings

Click the **Submit** button on the lower-part of a page after setting is completed.

7 Using VP-2009(P) Elite

Overview

Call Type

VP-2009(P) Elite supports audio and video calls.

Audio calls: during the conversation, you can only hear the sound of the other party.

Video calls: during the conversation, you can not only hear the sound of the other party, but you can also see each other. User can press to enable or disable the local video.

Answer Mode

VP-2009(P) Elite supports the following answer modes: handset, hands-free, and headset.

If the headset is connected to the phone , pick up the handset the phone will enable the headset mode. If the headset is not connected to the phone, pick up the handset the phone will enable the handset.

These answer modes are switched as follows:

The **<SPK>** key is used to switch the handset mode and hands-free mode.

The **<SPK>** key is used to switch the headset mode and hands-free mode.

Multiple Accounts

VP-2009(P) Elite supports four independent SIP accounts. If multiple accounts are enabled, corresponding account names are displayed on the standby screen.

You can click the account to select an account. After an account is selected, the dial page of the corresponding account will be displayed.

You can assign the line function to a DSS key. If the line key is assigned, you can directly click the line key to enter the dial screen.

Making a Call

Dialing

To use the headset, handset, or hands-free mode to make a call, proceed as follows:

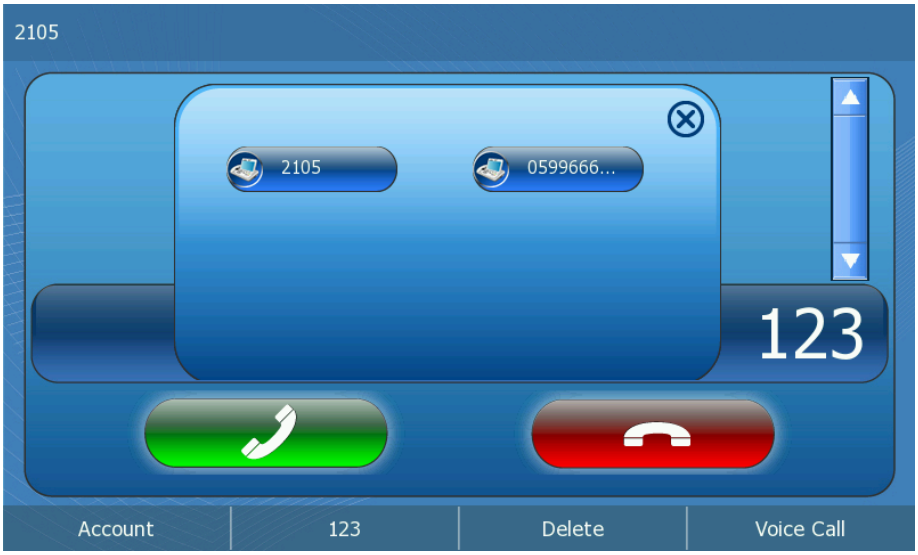
Step 1 Pick up the handset, press the **<SPK>** key, or connect the headset.

Step 2 The phone enters the dial screen and plays the dial tone.

Step 3 Enter the called number, click to send.

You can click <**Video Call**> or <**Voice Call**> to switch the call type.

If you have more than one account, click <**Account**> to choose a account.



Redialing

If you redial a number, VP-2009(P) Elite uses the account that is used to dial the same number the previous time.

Step 1 Press <**RD**> key to enter into the Call History page.

Step 2 Select a record and then press <**RD**> key again to send.

Using the Call History to Make a Call

VP-2009(P) Elite provides a key for users to obtain the call record list. To using the call record list to make a call, proceed as follows:

Step 1 Enter into the **Call History** page.

Step 2 Select a call history type.

Step 3 Select a record.

Step 4 Click the <**Video Call**> or <**Voice Call**> to send. Also can click to send with default type.

Using Address Books to Make a Call

To use address books to make a call, proceed as follows:

Step 1 Enter the **Directory** page.

Step 2 Select a contacts group.

Step 3 Select a record.

Step 4 Click the <**Video Call**> or <**Voice Call**> to send. Also can click to send with default type.

Using the IP Address to Make a Call

You can use the IP address of VP-2009(P) Elite to make a call to an IP address in the same LAN or VPN. For example, you can use 10.10.10.1 to make a call to 10.10.10.2.

Step 1 Pick up the handset or press the <**SPK**> key to access the dial page.

Step 2 Enter the target IP address (for example, 10*10*10*2) and click to send.

Asterisks (*) replace dots (.) in the IP address.

Using Speed Dial to Make a Call

You can assign the speed dial function to a DSS key. After the key is configured with a frequently used number or a complex number, you can directly press this key to make a call.

For details, see DSS Key.

Answering a Call

Answering a Single Call

In the standby mode, VP-2009(P) Elite receives an incoming call and starts ringing. To answer the call, pick up the handset, press the **<SPK>** key or click .

Answering Multiple Calls

Step 1 In the standby mode, VP-2009(P) Elite receives an incoming call and starts ringing.

Step 2 You pick up the handset, press the <**SPK**> key, or click ..

Step 3 VP-2009(P) Elite receives another incoming call and pop up a box.

Step 4 Click to answer the call.

Step 5 Plays a prompt tone, and the message "New Incoming Call: xxx" is displayed on the screen.

Step 6 You press the soft key <**Answer**> to answer the new call.

After you answer the new call, the first call is held. You can click **SWAP** to switch calls. If you switch to the first call, the second call is automatically held.

Rejecting a Call

There is an incoming call, click to reject it.

Call Hold

- Call hold: click the <**Hold**> key to hold the ongoing call.
- Call unhold: click the <**Resume**> key to unhold the call that is held.
- Multi-line conversation: If multiple calls are held, click Call Manager to check the call status. press Up/Down navigation key switch the call which you want to select, and then exit the manager page to click the <**Resume**> to resume the call.

Call Mute

To enable or disable the call mute function, press the < > key. If the call mute function is enabled, the mute icon is displayed on the screen, and the peer party cannot hear your voice.

DND Function

In the standby mode, press the soft key < > to enable the DND function. After the DND function is enabled, the icon is displayed on the screen, and all incoming calls will be rejected. You can view these calls in the call record list.

Call Transfer

You can transfer a call to other extension numbers or mobile numbers. VP-2009(P) Elite supports the following call transfer modes: blind transfer, semi-attend transfer, and attend transfer.

Step 1 In the conversation with user B, user A clicks the <Transfer> key to hold user B's call.

Step 2 User A dials user C's number.

Step 3 User A performs call transfer.

- Blind transfer

  Click the <**Transfer**> key.

  User A is held, user B hears the RBT (Ring Back Tone), and user C's phone is ringing. After user C picks up the phone, user A hangs up the phone to complete the transfer. If user C rejects the call, a message

indicating transfer failure is displayed on the user A's phone screen. After pressing the <**Resume**> key, user A resumes the call with user B.

- Semi-attend transfer

  Click the <**OK**> key.

  User A hears the RBT. When user C's phone rings, user A presses the <**Transfer**> key. After user C picks up the phone, user A hangs up the phone to complete the transfer.

- Attend transfer

  Press the <**OK**> key.

  User A hears the RBT and user C's phone is ringing. After user C picks up the phone, user A asks user C whether user C wants to answer user B's call. If user C says yes, user A presses the <**Transfer**> key to transfer the call to user C. If user C rejects the call, user A presses the <**Resume**> key to resume the call with user B.

Step 4 User B talks with user C.

Three-Party Conference

To establish a three-party conference, you need to use the conference key.

Step 1 User A is talking with user B. User A clicks the **<Conference>**. User B is held, and user A hears the dial tone.

Step 2 User A dials user C's number and click .

Step 3 User A listens to the RBT, user B is held, and user C's phone is ringing.

Step 4 When user C picks up the phone, user A only talks with user C. To establish a three-party conversation, user A clicks the **<Conference>** again.

Step 5 When user A hangs up the phone, the other two parties' conversation ends automatically.

If **Transfer on Conference Hang up** is set to **Enabled**, the other two parties' conversation continues when user A hangs up the phone. The default value of **Transfer on Conference Hang up** is **Disabled** for VP-2009(P) Elite. For details, see contents in "Features".

BLF Function

After the BLF function is assigned to a key, you can learn about the status of other accounts (idle, ringing, or occupied) on VP-2009(P) Elite. You can directly press the key assigned with the BLF function to make calls. This requires the support from the server.

For details about how to assign the BLF function to a DSS key, see DSS Key.

When assigned BLF function, the DSS Key will show the status information of the specified extension. The statuses are as follows:

Table 7-1 Parameters on the BLF

Status	Description
	The listened-on account is in the ringing state. And the DSS Key is red.
	The listened-on account is in the talking state or in the dial status. And the DSS Key is red.
	The BLF function is disabled. And the DSS Key is green.
	The BLF function is enabled. And the DSS Key is green.

If the listened-on account is not in the idle, the DSS key icon will change. Change the to .

Table 7-2 Status on DSS Key menu

Status	Description
	The listened-on account is in the idle.
	The listened-on account is in the talking state or in the dial status or in the ringing state

BLF List

BLF List is a function which uses a group of programmable keys to subscribe to server for the state of each account in some group. The difference between the BLF and BLF list is BLF is to monitor a number which you set, but the BLF List is monitor a number depending on server. This requires the support from the server.

If you want to use BLF list function, you must configure **BLF List URL** and **BLF List Code** at first. For details, see "Advanced setting" on the Account page.

Check the call statistics

You can enquire the call statistics during the conversation. The statistics include Codec, Video Format, Tx/Rx Video Frame Rate(fps), Tx/Rx Video Bit Rate(kbps) and Lost Packets(%) etc.

To enquire the call statistics, proceed as follows:

Step 1 During a video call, click the <**More**>.

Step 2 Click **Statistics** to enter the Media Statistics interface to check.

Step 3 If you have a voice call, you can directly click **Statistics** to enter the Media Statistics interface to check.

8 Maintaining VP-2009(P) Elite

Restarting VP-2009(P) Elite

Users can restart the phone via phone or web interface.

- Restart the phone via phone interface, please refer to "Reboot".
- Restart the phone via web interface, please refer to "Basic setting" on the Upgrade page.

Resetting VP-2009(P) Elite

Users can reset the phone to factory setting via phone or web interface.

- Reset the phone via phone interface, please refer to "Reset to the factory".
- Reset the phone via phone interface, please refer to "Basic setting" on the Upgrade page.

Firmware upgrade

Users only can upgrade the phone via web interface.

- Upgrade the phone via web interface, please refer to "Basic setting" on the Upgrade page.

Auto Provision

User can configure the auto provision via web interface.

- Configure the auto provision via web interface, please refer to "Advanced setting" on the Upgrade page.

For more information about auto provision, please consult your system administrator.

Import or export the configure file

Users can import or export the configure file via web interface.

- import or export the configure file via web interface, please refer to "Advanced setting" on the Upgrade page.

Export the system log

When the phone is abnormal, the user can export the System Log sent to the system administrator to view the phone's system log to detect problems.

- Export the system log via web interface, please refer to "Advanced setting" on the Upgrade page.

Users can choose to export the system log to a local computer or server. If you choose Server, you must input the server URL in the field. For more information about the server URL, please consult your administrator.

Zero-Sp-Touch

Zero-Sp-Touch is an automatic upgrade allows users to quickly configure the network parameters.

- To configure zero-sp-touch via web interface, please refer to "Advanced setting" on the Upgrade page.

For more information about Zero-Sp-Touch, please consult your administrator.

The manual is only for reference, please take the object as the standard.

We reserve the right to improve or change the product and the user guide without notice.

V40
2011-8-11